



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 162806

TO: Ulrike Winkler
Location: REM/3A39/3C18
Art Unit: 1648
Monday, August 22, 2005

Case Serial Number: 09/394264

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Winkler,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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STIC-Biotech/ChemLib

162805

From: Winkler, Ulrike
Sent: Wednesday, August 17, 2005 4:24 PM
To: STIC-Biotech/ChemLib

STIC,

Please do a sequence search of SEQ ID NO:1 of application No 09/394264. Please include the interference files as well.

Thanks, Ulrike

Ulrike Winkler, Ph.D.
Patent Examiner, Art Unit 1648
Remsen 3A39 / Mail Box 3C18
tel. 571-272-0912
fax. 571-273-0912

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2- _____
Date Searcher Picked Up: 8/19/05
Date Completed: _____
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: 1 AA#: _____
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____

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STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 13:57:08 ; Search time 7239 Seconds
(without alignments)

16961.668 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactggggcgagcggtg.....aactgtagtgagttattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl.*

1: gb_ba.*

2: gb_htg.*

3: gb_in.*

4: gb_om.*

5: gb_ov.*

6: gb_pat.*

7: gb_ph.*

8: gb_pl.*

9: gb_pr.*

10: gb_ro.*

11: gb_sts.*

12: gb_sy.*

13: gb_un.*

14: gb_vi.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	2534	100.0	2534	6 AR532934	Sequence
2	2534	100.0	2534	9 AF006740	Sequence
3	2534	99.9	2534	6 CO729693	Sequence
4	2532.4	99.9	2534	6 AR532936	Sequence
5	2407.6	95.0	2687	6 CO841744	Sequence
6	2407.6	95.0	2687	9 AK123362	Sequence
7	2028.8	80.1	2403	6 BD172414	Secreted
8	2028.8	80.1	2403	6 BD172733	Secreted
9	2028.8	80.1	2403	6 BD173052	Secreted
10	2028.8	80.1	2403	6 BD173371	Secreted
11	2028.8	80.1	2403	6 BD175405	Secretory
12	2028.8	80.1	2403	6 AR410783	Sequence
13	2028.8	80.1	2403	6 AR439147	Sequence
14	2028.8	80.1	2403	6 AR473167	Sequence
15	2028.8	80.1	2403	6 AR527153	Sequence
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ALIGNMENTS

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LOCUS AR532934 2534 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 1 from patent US 6730475.
ACCESSION AR532934
VERSION AR532934.1 GI:53922484
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 2534)
AUTHORS Robertson, N., Morton, C., Van Camp, G., Fransen, E. and Van de Heyning, P.
TITLE Methods of diagnosis and treatment of meniere disease
JOURNAL Patent: US 6730475-A 1 04-MAY-2004;
FEATURES Location/Qualifiers
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 61 CCGCAGCCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
DB 61 CCGCAGCCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
QY 121 CGGGCAGCAGGAGCGCGCTCCCATTTGCTATCATGTTTACACAGGTTTGACATCA 180
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QY 181 GGAACAGAAAGCAGATGCTCTGCCAGGGGGTCCCTCTTGGAGGAATTCCTGTGT 240
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DEFINITION AF006740
ACCESSION AF006740
VERSION AF006740.1 GI:2801412
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1 (bases 1 to 2534)
AUTHORS Robertson,N.G., Skvorak,A.B., Yin,Y., Weremowicz,S., Johnson,K.R.,
Kovatch,K.A., Batten,J.F., Bieber,P.R. and Morton,C.C.
TITLE Mapping and characterization of a novel cochlear gene in human and
in mouse: a positional candidate gene for a deafness disorder,
DFNA9
JOURNAL Genomics 46 (3), 345-354 (1997)
MEDLINE 98110569
PUBMED 9441737
REFERENCE 2 (bases 1 to 2534)
AUTHORS Robertson,N.G., Skvorak,A.B., Yin,Y., Weremowicz,S., Johnson,K.R.,
Kovatch,K.A., Batten,J.F., Bieber,P.R. and Morton,C.C.
TITLE Direct Submission
JOURNAL Submitted (04-JUN-1997) Pathology, Brigham and Women's Hospital, 75
Francis Street Room 523 Thorn, Boston, MA 02115, USA
FEATURES
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Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 VERSION CQ841744.1 GI:50893531
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 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Isogai, T., Sugiyama, T., Otsuki, T., Wakamatsu, A., Sato, H., Ishii, S.,
 Yamamoto, J., Isono, Y., Negai, K. and Irie, R.
 TITLE Full-length human cdna
 JOURNAL Patent: EP 1440981-A 391 28-JUL-2004;
 Research Association for Biotechnology (Jp)
 FEATURES Location/Qualifiers

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AKI23362			
VERSION			
AKI23362.1 GI:34529889			
KEYWORDS			
Oligo capping; fis (full insert sequence).			
SOURCE			
Homo sapiens			
ORGANISM			
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REFERENCE			
AUTHORS			
Tanigami,A., Fujiwara,T., Shibahara,T., Goto,Y., Hirao,M., Shimizu,F., Wakebe,H., Ono,T., Hishigaki,H., Watanabe,T., Ozaki,K., Sugiyama,T., Irie,R., Otsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamoto,J., Isono,Y., Kawai-Hio,Y., Saito,K., Nishikawa,T., Kimura,K., Yamashita,H., Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K., Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fujii,A., Oshima,A., Sugiyama,A., Kawakami,B., Suzuki,Y., Sugano,S., Nagahara,K., Masuho,Y., Nagai,K. and Isogai,T.			
TITLE			
NEDO human cDNA sequencing project			
JOURNAL			
Unpublished			
REFERENCE			
2 (bases 1 to 2687)			
AUTHORS			
Isogai,T. and Yamamoto,J.			
TITLE			
Direct Submission			
JOURNAL			
Submitted (15-JUL-2003) Takao Isogai, FLJ Project (HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0818, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)			
COMMENT			
NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and			

FEATURES
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RAB; annotation: HRI and RAB.
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PN JP 2002238588-A/187
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ACCESSION AR410783
VERSION AR410783.1 GI:40162283
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 2403)
AUTHORS Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D. L., Ferrara, N.,
Filvaroff, E., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M. E.,
Goddard, A., Godowski, P. J., Grimaldi, J. C., Gurney, A. L., Hillan, K. J.,
Klavin, I. J., Mather, J. P., Pan, J., Paoni, N. P., Roy, M. A.,
Stewart, T. A., Tumas, D., Williams, P. M. and Wood, W. I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6635468-A 226 21-OCT-2003;
FEATURES Location/Qualifiers
source 1..2403
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN
Query Match 80.1%; Score 2028.8; DB 6; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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RESULT 13

AR439147 LOCUS 2403 bp DNA linear PAT 20-FEB-2004

DEFINITION Sequence 226 from patent US 6664376.

ACCESSION AR439147

VERSION AR439147.1 GI:42664996

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 2403)

AUTHORS Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Pilvaroff, E., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.P., Roy, M.A., Stewart, T.A., Tamas, D., Williams, P.M. and Wood, W.I.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same

JOURNAL Patent: US 6664376-A 226 16-DEC-2003;

FEATURES

source Location/Qualifiers

1..2403 /organism="unknown"

/mol_type="genomic DNA"

ORIGIN

Query Match 80.1%; Score 2028.8; DB 6; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 7; Indels 0; Gaps 0;

Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGCTCTC 83

Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGCTCTC 422

Qy 84 GGCCTCGGTGTGTCTGCTGTCTGCTGCGGGGCCCGGGGAGGAGCGCGCTCCC 143

Db 423 GGCCTCGGTGTGTGTCTGCTGTCTGCTGCGGGGCCCGGGGAGGAGCGCGCTCCC 482

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LOCUS AR473167 2403 bp DNA linear PAT 20-FEB-2004
DEFINITION Sequence 226 from patent US 686451.
ACCESSION AR473167
VERSION AR473167.1 GI:42708542
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 2403)
AUTHORS Desnoyers, L., Goddard, A., Godowski, P.J., Gurney, A.L., Mather, J.P.,
Williams, P.M., and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 686451-A 226 03-FEB-2004;
FEATURES Location/Qualifiers
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ORIGIN
Query Match 80.1%; Score 2028.8; DB 6; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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RESULT 15

AR527153
LOCUS 2403 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 226 from patent US 6723535.
ACCESSION AR527153
VERSION AR527153.1 GI:53914070
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 2403)
AUTHORS Ashkenazi, A., Botstein, D., Desnovers, L., Eaton, D.L., Ferrara, N.,
Pillvaroff, B., Pong, S., Gao, W.-Q., Gerber, H., Gerriksen, M.E.,
Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J.,
Kljarin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A.,
Stewart, T.A., Tamas, D., Williams, P.M. and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same

Search completed: August 21, 2005, 18:56:56
Job time : 7249 secs



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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 13:51:58 ; Search time 899 Seconds
(without alignments)

16685.900 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactcgggcgcagccgggt.....aactgtagtgattattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_16Dec04:*
1: Geneseqn1980s:*
2: Geneseqn1990s:*
3: Geneseqn2000s:*
4: Geneseqn2001as:*
5: Geneseqn2001bs:*
6: Geneseqn2002as:*
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9: Geneseqn2003bs:*
10: Geneseqn2003cs:*
11: Geneseqn2003ds:*
12: Geneseqn2004as:*
13: Geneseqn2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2534	100.0	2534	3	Aaz99927 cDNA sequ
2	2534	100.0	2534	4	Aac90475 Human COC
3	2532	99.9	2534	4	Aac90476 Human mut
4	2407.6	95.0	2687	12	Adg63230 Novel hum
5	2028.8	80.1	2403	2	Aax52254 Protein P
6	2028.8	80.1	2403	3	Aac78546 Human PRO
7	2028.8	80.1	2403	4	Aaf72412 Human PRO
8	2028.8	80.1	2403	4	Aas45947 Human DNA
9	2028.8	80.1	2403	8	ACA60186 Human cDN
10	2028.8	80.1	2403	8	ACA89397 cDNA enco
11	2028.8	80.1	2403	8	ACA73407 Human sec
12	2028.8	80.1	2403	8	ACA05722 Human sec
13	2028.8	80.1	2403	8	ACA66556 cDNA enco
14	2028.8	80.1	2403	8	ACD07586 Novel hum
15	2028.8	80.1	2403	8	ACF20131 Human sec
16	2028.8	80.1	2403	8	ACF19517 Human sec
17	2028.8	80.1	2403	8	ACD21805 Human sec
18	2028.8	80.1	2403	8	ACF12970 Human sec
19	2028.8	80.1	2403	8	ACD25073 Human sec
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24	2028.8	80.1	2403	8	ACD08171	Human sec
25	2028.8	80.1	2403	8	ABX71634	Human CDN
26	2028.8	80.1	2403	8	ACA88605	Novel hum
27	2028.8	80.1	2403	8	ACA70047	Human sec
28	2028.8	80.1	2403	8	ACD12269	Novel hum
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30	2028.8	80.1	2403	8	ACD15812	Human sec
31	2028.8	80.1	2403	8	ACD25380	Novel hum
32	2028.8	80.1	2403	8	ACD17857	Human sec
33	2028.8	80.1	2403	8	ACC88144	Human sec
34	2028.8	80.1	2403	8	ACD21498	Human sec
35	2028.8	80.1	2403	8	ACD18565	Human sec
36	2028.8	80.1	2403	8	ACH06966	Human sec
37	2028.8	80.1	2403	8	ABX98175	Human CDN
38	2028.8	80.1	2403	8	ACD13926	Human PRO
39	2028.8	80.1	2403	8	ACD09706	Human sec
40	2028.8	80.1	2403	8	ACC88451	Human sec
41	2028.8	80.1	2403	8	ACD21191	Human sec
42	2028.8	80.1	2403	8	ABX75563	Human CDN
43	2028.8	80.1	2403	8	ABX97766	Human PRO
44	2028.8	80.1	2403	8	ACA97242	Novel hum
45	2028.8	80.1	2403	8	ACA57705	Human PRO

ALIGNMENTS

RESULT 1
AAZ99927
ID AAZ99927 standard; DNA; 2534 BP.
AC AAZ99927;
XX
XX
25-JUL-2000 (first entry)
XX
cDNA sequence encoding human COCH5B2 polypeptide.
XX
COCH5B2; hCOCH5B2; extracellular matrix; fibrillar collagen;
KW hearing disorder; human nonsyndromic sensorineural deafness;
KW vestibular involvement; DFNA9; ss.
XX
Homo sapiens.
XX
Key Location/Qualifiers
FT CDS 57..1709
FT /*tag= a
FT /*product= "COCH5B2"
FT sig_peptide 57..134
FT /*tag= b
XX
WO200018211-A2.
XX
06-APR-2000.
XX
29-SEP-1999; 99WO-US022645.
XX
29-SEP-1998; 98US-0102343P.
PR 10-SEP-1999; 99US-0039426A.
XX
(BGHM) BRIGHAM & WOMENS HOSPITAL.
XX
Morton CC, Robertson NG;
XX
WPI; 2000-292953/25.
DR P-PSDB; AAY84405.
XX
COCH5B2 nucleic acid molecule and encoded protein, useful for treatment
of human nonsyndromic sensorineural deafness with vestibular involvement
(DFNA9).
XX

QY 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATATGTGGATTAAACCTTAAGA 1980
DB |||||||
QY 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATATGTGGATTAAACCTTAAGA 1980
DB |||||||
QY 1981 GTTCTAACCATGCTTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGNATC 2040
DB |||||||
QY 1981 GTTCTAACCATGCTTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGNATC 2040
DB |||||||
QY 2041 TGATACCTTAGACCAAAAGCAACATTCCTGCTCTTAACCATTCCTGATTGATTATATAGCA 2100
DB |||||||
QY 2041 TGATACCTTAGACCAAAAGCAACATTCCTGCTCTTAACCATTCCTGATTGATTATATAGCA 2100
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QY 2101 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTTAAACATGTTTCAGGTACACATATTT 2160
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DB |||||||
QY 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATATAGCTATTTACTGCAGACTA 2220
DB |||||||
QY 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATATAGCTATTTACTGCAGACTA 2220
DB |||||||
QY 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATAA 2280
DB |||||||
QY 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATAA 2280
DB |||||||
QY 2281 CAACCTTATGACTTAAATATATACACTGAATAAGAGACAGGATTTGCCAGGTATTTTCTA 2340
DB |||||||
QY 2341 TTTCTCTCCTTAATTTTATATATATAGATATATTTGGCTTATATTTCTAAGTCACCTAA 2400
DB |||||||
QY 2341 TTTCTCTCCTTAATTTTATATATATAGATATATTTGGCTTATATTTCTAAGTCACCTAA 2400
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QY 2401 GTACTTAAAGTTAAGTTGGTAAAGTATTTTACTGACTGCTTATAAATTAAGACAAA 2460
DB |||||||
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DB |||||||
QY 2461 GACATTTCAATTAACCTCAGAAAAAATATTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
DB |||||||
QY 2461 GACATTTCAATTAACCTCAGAAAAAATATTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
DB |||||||
QY 2521 TAGTGAGTTATGT 2534
DB |||||||
QY 2521 TAGTGAGTTATGT 2534
DB |||||||

RESULT 2

AAC90475
ID AAC90475 standard; cDNA; 2534 BP.

XX AAC90475;

DT 13-MAR-2001 (first entry)

XX Human COCH5B2 cDNA.

XX Human; COCH5B2; Meniere disease; auditory; ss.

OS Homo sapiens.

XX WO200071081-A2.

XX 30-NOV-2000.

XX 26-MAY-2000; 2000WO-US014619.

XX 26-MAY-1999; 99US-0136008P.

XX (BGHM) BRIGHAM & WOMENS HOSPITAL.

XX Robertson N, Morton C, Van Camp G, Franssen E, Van De Heyning P;

XX WPI; 2001-031955/04.

DR P-PSDB; AAB50429.

XX Treating a subject at risk for having meniere disease by administering a
PT nucleic and encoding COCH5B2 protein, the protein, agonist or antibody of
PT the protein.

XX Disclosure; Fig 1; 55pp; English.

XX The present sequence is given in a specification relating to a method of
CC treating a subject at risk of having Meniere disease. The method
CC comprises administering to a patient a nucleic acid encoding COCH5B2
CC protein or its fragment, or an agonist of, or antibody specific for,
CC COCH5B2. Detecting a genetic lesion in the gene encoding COCH5B2 is
CC useful for diagnosing Meniere disease

XX Sequence 2534 BP; 774 A; 498 C; 557 G; 705 T; 0 U; 0 Other;

Query Match 100.0%; Score 2534; DB 4; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60
DB |||||||

QY 61 CGCAGCCTGGATCCCGGCTCTCGGCTCGGTGTGTCTGTGTCTGCTGCCGGGGCCG 120
DB |||||||

QY 121 CGGCGACGAGGAGCGGCTCCCATTTGCTATACATGTTTTTACAGAGGCTTGACATCA 180
DB |||||||

QY 181 GGAAGAGAGAAAGCAGATGCTCTGCCAGGGGGCTGCCCTCTTGAGGAATTTCTGTGT 240
DB |||||||

QY 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTGTCCACAGGGGAG 300
DB |||||||

QY 301 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGTCGAGAAAACTATT 360
DB |||||||

QY 361 CCTCAGTATGTCATGTCATCCAGTCTCAATGCTTCTAGATGCTGTCTTCTTCA 420
DB |||||||

QY 421 CAGTAACTAAAGCAAAAGTAGTACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAC 480
DB |||||||

QY 481 ATCCACCAACAGGTAAACCGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT 540
DB |||||||

QY 541 GTAAAGCAGACATTCATTTCTGATTTGATGGAGCTTTAATTTGGGCGAGCGCGGTTTA 600
DB |||||||

QY 601 ATTTACAGAAAGATTTTGTGGAAAGTGGCTCTAATGTTGGAAATGGAAAGAGGAC 660
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QY 661 CACATGTGGGCTTGTTCAGGCGAGTGAACTCCCAAAAATAGAAATTTTCTTGAAAAACT 720
DB |||||||

QY 721 TTACATCAGCCAAAGATGTTTGTGTCATTAAGGAAGTGGTTTTCAGAGGGGGTAATT 780
DB |||||||

QY 781 CCATATACAGGAAAAAGCCTTTGAAGCATATGCTCAGAAATTTCTTACGGTAGATGCTGGAG 840

QY 1861 AAGCGCTGCTCTCTGTTACAATTTACAGTGTAATTTGTTGTTAAACACACCTGCTGAGGCTT 1920
Db |||||
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Db |||||
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QY 2041 TGATCTTAGACCAAGCAACATGCTTCTCTTAACCAATCTCTGATTGATTATTAAGCA 2100
Db |||||
QY 2101 AATGAAAGAGAACTTAAATGAACACACCTCTTTAAACATGCTTCCAGGTACACATATT 2160
Db |||||
QY 2101 AATGAAAGAGAACTTAAATGAACACACCTCTTTAAACATGCTTCCAGGTACACATATT 2160
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QY 2401 GTACTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 2460
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QY 2461 GACATTTCAATAAATCTGAGAAAAATATTTGATGTTTGAATATTTAAGCAATAAACTGC 2520
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QY 2521 TAGTGAGTATTGT 2534
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RESULT 4

ADQ63230
ID ADQ63230 standard; cDNA; 2687 BP.

AC ADQ63230;

XX 07-OCT-2004 (first entry)

DE Novel human cDNA sequence #391.

XX ss: gene; osteopathic; neuroprotective; nootropic; antiparkinsonian;
KW cytosolic; gene therapy; diagnostic marker; morbid state; osteoporosis;
KW neurological disease; Alzheimer's disease; Parkinson's disease; dementia;
KW cancer.

OS Homo sapiens.

XX EP1440981-A2.

PN 28-JUL-2004.

XX 21-JAN-2004; 2004EP-00001196.

XX 21-JAN-2003; 2003JP-00102206.

PR 09-MAY-2003; 2003JP-00131392.
XX (REAS-) RES ASSOC BIOTECHNOLOGY.
PI Isoqai T, Sugiyama T, Otsuki T, Wakamatsu A, Sato H, Ishii S;
PI Yamamoto J, Isono Y, Nagai K, Irie R;
XX WPI; 2004-535376/52.
DR P-PSDB; ADQ65418.
XX Novel 2495 cDNA, useful for treating osteoporosis, neurological diseases,
PT Alzheimer's diseases, Parkinson's diseases, dementia and various cancers.
PS Claim 1; SEQ ID NO 391; 2449pp; English.
XX The invention relates to 2495 novel polynucleotides (I) and their encoded
CC polypeptides, sequences hybridizing to these nucleotides, sequences
CC encoding partial polypeptides and sequences having 70% or 90% identity to
CC the nucleotide and protein sequences. The nucleotides and polypeptides
CC are useful as diagnostic markers or therapeutic target for the diseases
CC or morbid states. They are also useful for treating osteoporosis,
CC neurological diseases, Alzheimer's diseases, Parkinson's diseases,
CC dementia and various cancers. This sequence corresponds to a nucleotide
CC sequence of the invention.

XX Sequence 2687 BP; 786 A; 562 C; 602 G; 737 T; 0 U; 0 Other;

Query Match 95.0%; Score 2407.6; DB 12; Length 2687;
Best Local Similarity 97.4%; Pred. No. 0;
Matches 2481; Conservative 0; Mismatches 29; Indels 36; Gaps 2;

QY 24 TCTCCAGCAGGTGTGAGCAGCCTATCAGTCAACCATGTCGAGCCTGATCCCGCTCTC 83
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QY 143 TCTCTCCAGCAGGTGTGAGCAGCCTATCAGTCAACCATGTCGAGCCTGATCCCGCTCTC 202
Db |||||
QY 84 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGCCCGCGGCGAGCGAGGA----- 134
Db |||||
QY 203 GGCCTCGGTGTGTGCTGCTGCTGCTGCCGGGCCCGCGGCGAGCGAGGTG 262
Db |||||
QY 135 -----GCGCTCCCATTTGCTATCATCATGTTTACCAGAG 168
Db |||||
QY 263 GAGCAGCAGCCTCACGCTTCTCTTCGAGCTTCCCATTTGCTATCATATGTTTACCAGAG 322
Db |||||
QY 169 GCTTGACATCAGGAAAGAGAAAGAGATGCTCTGCCAGGGGGCTGCTCTTTGAGG 228
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QY 383 AATTCTCTGTGTATGGGAAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTG 442
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QY 289 TCCACAGGGAGTAAATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGCTC 348
Db |||||
QY 443 TCCACAGGGAGTAAATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGCTC 502
Db |||||
QY 349 GAGAAACTATTTCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGTT 408
Db |||||
QY 503 GAGAAACTATTTCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGTT 562
Db |||||
QY 409 CTGCTTTCTTTCACAGTAATAAGGCAAAAGTAGTACACAGAGGCCACAGCAAGCAG 468
Db |||||
QY 563 CTGCTTTCTTTCACAGTAATAAGGCAAAAGTAGTACACAGAGGCCACAGCAAGCAG 622
Db |||||
QY 469 TGTCCACAGCATCATCCCAACAGGTAAACGACTAAAGAAAAACCCCGAGAGAAAACTG 528
Db |||||
QY 623 TGTCCACAGCATCATCCCAACAGGTAAACGACTAAAGAAAAACCCCGAGAGAAAACTG 682
Db |||||
QY 529 GCAATAAAGATTGTTAAAGCAGACATTTGCAATTTCTGATTGATGGAAGCTTTAATATTTGGC 588
Db |||||
QY 683 GCAATAAAGATTGTTAAAGCAGACATTTGCAATTTCTGATTGATGGAAGCTTTAATATTTGGC 742
Db |||||
QY 589 AGCGCGGATTATTTACAGAGAAATTTTGTGGAAAGTGGCTCTAATGTTGGGAATTG 648
Db |||||

Db 743 AGCGCCGATTAATTTACAGAGAAATTTTGTGGAAAAGTGGCTCTAAATGTTGGGAATTG 802
Qy 649 GAACAGAAAGACACATGTGGGCTTGTTCAGAGCCAGTGAAACATCCCAAAATAGAAATTTT 708
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Qy 949 TAGTTTCTGGCCAGCCATCTGCTGAGAACTGGGGATGGTTCCAGGATGTCAATTTG 1008
Db 1103 TAGTTTCTGGCCAGCCATCTGCTGAGAACTGGGGATGGTTCCAGGATGTCAATTTG 1162
Qy 1009 TTGACAGGCTGTCTGCGAATAATGGCTTCTTCTTACCATGSCCAACTGGTTTG 1068
Db 1163 TTGACAGGCTGTCTGCGAATAATGGCTTCTTCTTACCATGSCCAACTGGTTTG 1222
Qy 1069 GCACCACAAAATAGTAAAGCCCTCTGGTACAGAGCTGTGCATCATGAACAATGATGT 1128
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Db 1282 GCAGCAAGCCTGTATTAATCTAGTGAACATTTGCTTTCTTAATTTGATGGCTCCAGCAGTG 1341
Qy 1189 TTGAGATAGCAATTTCCGCTCATGCTTCAATTTGTTTCCACATAGCCCAAGCTTTTG 1248
Db 1342 TTGAGATAGCAATTTCCGCTCATGCTTCAATTTGTTTCCACATAGCCCAAGCTTTTG 1401
Qy 1249 AATCTCGACATTTGGTCCAGATAGCTGTGTACAGTTTACTTATGATCAGCGCACGG 1308
Db 1402 AATCTCGACATTTGGTCCAGATAGCTGTGTACAGTTTACTTATGATCAGCGCACGG 1461
Qy 1309 AGTTCACTTTCACTGATATAGCAACCAAGAGATGTCTAGTGTGTATGATGAGGAGATCC 1368
Db 1462 AGTTCACTTTCACTGATATAGCAACCAAGAGATGTCTAGTGTGTATGATGAGGAGATCC 1521
Qy 1369 GCTATATAGTGTGGAAAGCAGCTACTGCTGATGCCATTTCTTCACTGTTAGAAATGTGT 1428
Db 1522 GCTATATAGTGTGGAAAGCAGCTACTGCTGATGCCATTTCTTCTTACTGTTAGAAATGTGT 1581
Qy 1429 TTGGCCCTTAAGGAGAGCCCAACCAAGAACTTCTAGTAAATGTGCACAGATGGGCAGT 1488
Db 1582 TTGGCCCTTAAGGAGAGCCCAACCAAGAACTTCTAGTAAATGTGCACAGATGGGCAGT 1641
Qy 1489 CCTATGATGTCTCAAGGCCCTGACGTCTGTGCACATGATGAGGAAATCACTATCTTCT 1548
Db 1642 CCTATGATGTCTCAAGGCCCTGACGTCTGTGCACATGATGAGGAAATCACTATCTTCT 1701
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Db 1702 CTGTTGTTGTTGGGCACTCTGATGACCTGAAAGATATGGCTTCTTAAACCGAAGG 1761
Qy 1609 AGTCTCATGCTTCTTCAAGAGAGTTTCAGAGATTTAGAACCAATTTGTTCTTGATGTCA 1668
Db 1762 AGTCTCATGCTTCTTCAAGAGAGTTTCAGAGATTTAGAACCAATTTGTTCTTGATGTCA 1821
Qy 1669 TCAGAGCAATTTGATGAGATTTCTTGAATCCCAAGCAATATGATTAACATTTTGACAACT 1728
Db 1822 TCAGAGCAATTTGATGAGATTTCTTGAATCCCAAGCAATATGATTAACATTTTGACAACT 1881

Qy 1729 GAAAGAAAAAGTACAGGGGATCCAGTGTGTAATTTGTTATTTCTCATTAATCTGAAATGCT 1788
Db 1882 GAAAGAAAAAGTACAGGGGATCCAGTGTGTAATTTGTTATTTCTCATTAATCTGAAATGCT 1941
Qy 1789 TTAGCATCTAGATCAGATACAAACTATTAAAGTATGTCAACAGCCATTTAGGCAATA 1848
Db 1942 TTAGCATCTAGATCAGATACAAACTATTAAAGTATGTCAACAGCCATTTAGGCAATA 2001
Qy 1849 AGCACTCTTTTAAAGCGCTGCTTCTGTTTACAAATTTACAGTGTACTTTTGTAAAAACA 1908
Db 2002 AGCACTCTTTTAAAGCGCTGCTTCTGTTTACAAATTTACAGTGTACTTTTGTAAAAACA 2061
Qy 1909 CTGCTGAGGCTTTCATAATCATGGCTCTTAAAGAACTCAGAAAGAGAGATAATGTGGATT 1968
Db 2062 CTGCTGAGGCTTTCATAATCATGGCTCTTAAAGAACTCAGAAAGAGAGATAATGTGGATT 2121
Qy 1969 AAAACCTTAAAGAGTTCTAACCATGCTTAAATGTACAGATATGCAATTCATAGCTC 2028
Db 2122 AAAACCTTAAAGAGTTCTAACCATGCTTAAATGTACAGATATGCAATTCATAGCTC 2181
Qy 2029 AATAAAGAAATCTGATACCTTAGACCAAAAGCAACATTTGTTCTCTAACCATCTGTATTG 2088
Db 2182 AATAAAGAAATCTGATACCTTAGACCAAAAGCAACATTTGTTCTCTAACCATCTGTATTG 2241
Qy 2089 ATTATATAAGCAAAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCA 2148
Db 2242 ATTATATAAGCAAAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCA 2301
Qy 2149 GTACACATATTTTGACCCCAAGTGGATTTTCTTAAAACAATCAATAATAGCTAGCTAT 2308
Db 2302 GTACACATATTTTGACCCCAAGTGGATTTTCTTAAAACAATCAATAATAGCTAGCTAT 2361
Qy 2209 TACTGCAGACTATAAATCTGGATATAGAAAGAGACCTGTATCAACCTGCTTTTCTAGT 2268
Db 2362 TACTGCAGACTATAAATCTGGATATAGAAAGAGACCTGTATCAACCTGCTTTTCTAGT 2421
Qy 2269 GTGTTTTTCATAACAACTTATGACTTAAATAATATCACACTGAATAAGAGAGAGGATTTGCCA 2328
Db 2422 GTGTTTTTCATAACAACTTATGACTTAAATAATATCACACTGAATAAGAGAGAGGATTTGCCA 2481
Qy 2329 GGTATTTTCTATTTCTCTCTTAAATTTTATATATATATATATATATATATATATATATAT 2388
Db 2482 GGTATTTTCTATTTCTCTCTTAAATTTTATATATATATATATATATATATATATATATAT 2541
Qy 2389 TAAGTCACTTACTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTT 2448
Db 2542 TAAGTCACTTACTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTT 2601
Qy 2449 TTTAAAGACAAAGACATTTCAAATACTGCAGAAAAAATATTTGTTAGTTTGAATATTTAAG 2508
Db 2602 TTTAAAGACAAAGACATTTCAAATACTGCAGAAAAAATATTTGTTAGTTTGAATATTTAAG 2661
Qy 2509 CAATAAACTGCTAGTGTATTTGT 2534
Db 2662 CAATAAACTGCTAGTGTATTTGT 2687

RESULT 5

AA52254

ID AAX52254 standard; DNA; 2403 BP.

XX AAX52254;

AC AAX52254;

XX 25-JUN-1999 (first entry)

XX Protein PRO294 cdna clone DNA40604-1187.

XX Secreted protein; transmembrane protein; human; enterocolitis;

XX Zollinger-Ellison syndrome; gastrointestinal ulceration;

KW congenital microvillus atrophy; skin disease; cell growth;

KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;

KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;

dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic;
wound healing; tissue repair; ss.

Homo sapiens.

WO9914328-A2.

25-MAR-1999.

16-SEP-1998; 98WO-US019330.

17-SEP-1997; 97US-0059113P.

17-SEP-1997; 97US-0059115P.

17-SEP-1997; 97US-0059117P.

17-SEP-1997; 97US-0059119P.

17-SEP-1997; 97US-0059121P.

17-SEP-1997; 97US-0059122P.

17-SEP-1997; 97US-0059184P.

18-SEP-1997; 97US-0059263P.

18-SEP-1997; 97US-0059266P.

18-OCT-1997; 97US-0062125P.

17-OCT-1997; 97US-0062285P.

17-OCT-1997; 97US-0062287P.

21-OCT-1997; 97US-0063486P.

24-OCT-1997; 97US-0062814P.

24-OCT-1997; 97US-0062816P.

24-OCT-1997; 97US-0063045P.

24-OCT-1997; 97US-0063120P.

24-OCT-1997; 97US-0063121P.

24-OCT-1997; 97US-0063127P.

24-OCT-1997; 97US-0063128P.

27-OCT-1997; 97US-0063327P.

27-OCT-1997; 97US-0063329P.

28-OCT-1997; 97US-0063541P.

28-OCT-1997; 97US-0063542P.

28-OCT-1997; 97US-0063544P.

28-OCT-1997; 97US-0063549P.

28-OCT-1997; 97US-0063550P.

28-OCT-1997; 97US-0063564P.

29-OCT-1997; 97US-0063704P.

29-OCT-1997; 97US-0063732P.

29-OCT-1997; 97US-0063734P.

29-OCT-1997; 97US-0063735P.

29-OCT-1997; 97US-0063738P.

31-OCT-1997; 97US-0064215P.

31-OCT-1997; 97US-0063870P.

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dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic;
wound healing; tissue repair; ss.

Homo sapiens.

WO9914328-A2.

25-MAR-1999.

16-SEP-1998; 98WO-US019330.

17-SEP-1997; 97US-0059113P.

17-SEP-1997; 97US-0059115P.

17-SEP-1997; 97US-0059117P.

17-SEP-1997; 97US-0059119P.

17-SEP-1997; 97US-0059121P.

17-SEP-1997; 97US-0059122P.

17-SEP-1997; 97US-0059184P.

18-SEP-1997; 97US-0059263P.

18-SEP-1997; 97US-0059266P.

18-OCT-1997; 97US-0062125P.

17-OCT-1997; 97US-0062285P.

17-OCT-1997; 97US-0062287P.

21-OCT-1997; 97US-0063486P.

24-OCT-1997; 97US-0062814P.

24-OCT-1997; 97US-0062816P.

24-OCT-1997; 97US-0063045P.

24-OCT-1997; 97US-0063120P.

24-OCT-1997; 97US-0063121P.

24-OCT-1997; 97US-0063127P.

24-OCT-1997; 97US-0063128P.

27-OCT-1997; 97US-0063327P.

27-OCT-1997; 97US-0063329P.

28-OCT-1997; 97US-0063541P.

28-OCT-1997; 97US-0063542P.

28-OCT-1997; 97US-0063544P.

28-OCT-1997; 97US-0063549P.

28-OCT-1997; 97US-0063550P.

28-OCT-1997; 97US-0063564P.

29-OCT-1997; 97US-0063704P.

29-OCT-1997; 97US-0063732P.

29-OCT-1997; 97US-0063734P.

29-OCT-1997; 97US-0063735P.

29-OCT-1997; 97US-0063738P.

31-OCT-1997; 97US-0064215P.

31-OCT-1997; 97US-0063870P.

Note reference does
NOT teach mutations
associated with
heavily loss ->
thus does not point
to specific mutations

dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic;
wound healing; tissue repair; ss.

Homo sapiens.

WO9914328-A2.

25-MAR-1999.

16-SEP-1998; 98WO-US019330.

17-SEP-1997; 97US-0059113P.

17-SEP-1997; 97US-0059115P.

17-SEP-1997; 97US-0059117P.

17-SEP-1997; 97US-0059119P.

17-SEP-1997; 97US-0059121P.

17-SEP-1997; 97US-0059122P.

17-SEP-1997; 97US-0059184P.

18-SEP-1997; 97US-0059263P.

18-SEP-1997; 97US-0059266P.

18-OCT-1997; 97US-0062125P.

17-OCT-1997; 97US-0062285P.

17-OCT-1997; 97US-0062287P.

21-OCT-1997; 97US-0063486P.

24-OCT-1997; 97US-0062814P.

24-OCT-1997; 97US-0062816P.

24-OCT-1997; 97US-0063045P.

24-OCT-1997; 97US-0063120P.

24-OCT-1997; 97US-0063121P.

24-OCT-1997; 97US-0063127P.

24-OCT-1997; 97US-0063128P.

27-OCT-1997; 97US-0063327P.

27-OCT-1997; 97US-0063329P.

28-OCT-1997; 97US-0063541P.

28-OCT-1997; 97US-0063542P.

28-OCT-1997; 97US-0063544P.

28-OCT-1997; 97US-0063549P.

28-OCT-1997; 97US-0063550P.

28-OCT-1997; 97US-0063564P.

29-OCT-1997; 97US-0063704P.

29-OCT-1997; 97US-0063732P.

29-OCT-1997; 97US-0063734P.

29-OCT-1997; 97US-0063735P.

29-OCT-1997; 97US-0063738P.

31-OCT-1997; 97US-0064215P.

31-OCT-1997; 97US-0063870P.

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dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic;
wound healing; tissue repair; ss.

Homo sapiens.

WO9914328-A2.

25-MAR-1999.

16-SEP-1998; 98WO-US019330.

17-SEP-1997; 97US-0059113P.

17-SEP-1997; 97US-0059115P.

17-SEP-1997; 97US-0059117P.

17-SEP-1997; 97US-0059119P.

17-SEP-1997; 97US-0059121P.

17-SEP-1997; 97US-0059122P.

17-SEP-1997; 97US-0059184P.

18-SEP-1997; 97US-0059263P.

18-SEP-1997; 97US-0059266P.

18-OCT-1997; 97US-0062125P.

17-OCT-1997; 97US-0062285P.

17-OCT-1997; 97US-0062287P.

21-OCT-1997; 97US-0063486P.

24-OCT-1997; 97US-0062814P.

24-OCT-1997; 97US-0062816P.

24-OCT-1997; 97US-0063045P.

24-OCT-1997; 97US-0063120P.

24-OCT-1997; 97US-0063121P.

24-OCT-1997; 97US-0063127P.

24-OCT-1997; 97US-0063128P.

27-OCT-1997; 97US-0063327P.

27-OCT-1997; 97US-0063329P.

28-OCT-1997; 97US-0063541P.

28-OCT-1997; 97US-0063542P.

28-OCT-1997; 97US-0063544P.

28-OCT-1997; 97US-0063549P.

28-OCT-1997; 97US-0063550P.

28-OCT-1997; 97US-0063564P.

29-OCT-1997; 97US-0063704P.

29-OCT-1997; 97US-0063732P.

29-OCT-1997; 97US-0063734P.

29-OCT-1997; 97US-0063735P.

29-OCT-1997; 97US-0063738P.

31-OCT-1997; 97US-0064215P.

31-OCT-1997; 97US-0063870P.

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Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAACAACTTTATCATCAGCCAAAGATGTTTGT 1082
Qy 744 TTGTCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCCATACAGAAAGCCCTTCAAG 803
Db 1083 TTGTCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCCATACAGAAAGCCCTTCAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGAGAGTAAGAAAGGGATCCCCAAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGAGAGTAAGAAAGGGATCCCCAAAGTG 1202
Qy 864 GTGGTGATTAATGATGTTGGCTTTCTGATGACATCGAGGAAGCAGGCAATGTGGCC 923
Db 1203 GTGGTGATTAATGATGTTGGCTTTCTGATGACATCGAGGAAGCAGGCAATGTGGCC 1262
Qy 924 AGAGAGTTTGGTGCAATGATTAATGATTTCTGTGGCCAGCCATCCCTGAGAACTG 983
Db 1263 AGAGAGTTTGGTGCAATGATTAATGATTTCTGTGGCCAGCCATCCCTGAGAACTG 1322
Qy 984 GGGATGGTTCAGGATGTACAAATTTGTTGCAAGGCTGTCTGCGAAATAATGGCTTCTTC 1043
Db 1323 GGGATGGTTCAGGATGTACAAATTTGTTGCAAGGCTGTCTGCGAAATAATGGCTTCTTC 1382
Qy 1044 TCTTACACATGCCCAACTGTTGGCACCAAAATACGTAAGGCTCTGGTACAGAAG 1103
Db 1383 TCTTACACATGCCCAACTGTTGGCACCAAAATACGTAAGGCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTCGAGCAAGACCTGTTATTAATCACTGATGCAATGTC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTCGAGCAAGACCTGTTATTAATCACTGATGCAATGTC 1502
Qy 1164 TTTCTAATTTGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATGTTGGTCCAAAGATGCTGCTGTA 1283
Db 1563 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATGTTGGTCCAAAGATGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTCTACTGACTATAGCACAAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTCTACTGACTATAGCACAAGAGAAAT 1682
Qy 1344 GTCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGACAGCTACTGGTGTAGCC 1403
Db 1683 GTCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGACAGCTACTGGTGTAGCC 1742
Qy 1404 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCAGAGATGGCAGTCTATGATGATGTCCAAAGCCCTGAGCTGTGCA 1523
Db 1803 CTAGTAATTTGTCAGAGATGGCAGTCTATGATGATGTCCAAAGCCCTGAGCTGTGCA 1862
Qy 1524 CATGATCAGGAATCACTATCTTCTGTGGTGGCTTGGGCACTCTGGATGACCTG 1583
Db 1863 CATGATCAGGAATCACTATCTTCTGTGGTGGCTTGGGCACTCTGGATGACCTG 1922
Qy 1584 AAGATATGGTCTTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCACAGGA 1643
Db 1923 AAGATATGGTCTTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATAATGGTAAACATTTTGAACCTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGGTAAACATTTTGAACCTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTTATCTCATAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 1823

Db 2103 TGTTATCTCATAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACTATTAAAGT 2162
Qy 1824 ATGTCACAGCCATTTAGGCAATATAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCACAGCCATTTAGGCAATATAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTTACAGTGCTACTTTGTTTAAAAACACATGCTGAGGCTTCATAATCATGCGCTCTTAGAAACT 1943
Db 2223 TTTTACAGTGCTACTTTGTTTAAAAACACATGCTGAGGCTTCATAATCATGCGCTCTTAGAAACT 2282
Qy 1944 CAGAAAGAGGAGATTAATGTGGATTTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2003
Db 2283 CAGAAAGAGGAGATTAATGTGGATTTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 6

ADC78546

ID ADC78546 standard; cDNA; 2403 BP.

XX ADC78546;

XX AC

XX DT 01-JAN-2004 (first entry)

XX DE Human PRO294 cDNA.

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XX OS

XX WO2000015796-A2.

XX XX

XX PD 23-MAR-2000.

XX XX

XX PF 15-SEP-1999; 99WO-US021090.

XX XX

XX PR 16-SEP-1998; 98WO-US019330.

XX XX

XX PA (GETH) GENENTECH INC.

XX XX

XX PI Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;

XX P1 Yuan J;

XX XX

XX DR WPI; 2000-271434/23.

XX DR P-PSDB; ADC78547.

XX XX

XX PT Novel nucleic acids encoding secreted and transmembrane polypeptides with

XX homology, e.g. to growth and cancer-associated antigens.

XX XX

XX PS Claim 2; SEQ ID NO 226; 355pp; English.

XX XX

XX CC The invention relates to a novel nucleic acid encoding a PRO polypeptide.

XX CC The polypeptides and polynucleotides of the invention may be useful as

XX CC research tools and as therapeutics for treating enterocolitis, Zollinger-

XX CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,

XX CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal

XX CC scarring and wound healing, nerve repair, thrombosis, bone and/or

XX CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple

XX CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,

XX CC infertility, premature aging, AIDS, diabetes complications and stroke.

CC The molecules may also be utilised during gene therapy procedures and
CC transgenic animal production. The current sequence is that of the human
CC PRO cDNA of the invention.

XX	Sequence	2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;	
SQ	Query Match	80.1%; Score 2028.8; DB 3; Length 2403;	
	Best Local Similarity	99.7%; Pred. No. 0;	
	Matches 2033; Conservative	0; Mismatches 7; Indels 0; Gaps 0;	
Qy	24	TCTCGACAGGTGTGACAGCCCTATCAGTCACCATGTCCGACCTCGGATCCCGCTC 83	
Db	363	TCTCTCCACAGTGTGACAGCCCTATCAGTCACCATGTCCGACCTCGGATCCCGCTC 422	
Qy	84	GGCCTCGGTGTGTCTGTCTGTCTGCTGCCCGGGCCCGCGGACGAGGAGCCGCTCCC 143	
Db	423	GGCCTCGGTGTGTCTGTCTGTCTGCTGCCCGGGCCCGCGGACGAGGAGCCGCTCCC 482	
Qy	144	ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGAGAAAGAGAGATGTCCTC 203	
Db	483	ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGAGAAAGAGAGATGTCCTC 542	
Qy	204	TGCCAGGGGCTGCCCTCTTGGAGATCTCTGTGTATGGAAACATAGTATATGTTCT 263	
Db	543	TGCCAGGGGCTGCCCTCTTGGAGATCTCTGTGTATGGAAACATAGTATATGTTCT 602	
Qy	264	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 323	
Db	603	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 662	
Qy	324	GTACGAGTATAGCTTACTGTGTGAGAAAACATATTCCTCAGTAGTGCAATGSCATC 383	
Db	663	GTACGAGTATAGCTTACTGTGTGAGAAAACATATTCCTCAGTAGTGCAATGSCATC 722	
Qy	384	CAGTCTCAAAATGCTTTCTAGATGTCTGTCTTCTTCAAGTAACTAAAGGCAAAAGTAGT 443	
Db	723	CAGTCTCAAAATGCTTTCTAGATGTCTGTCTTCTTCAAGTAACTAAAGGCAAAAGTAGT 782	
Qy	444	ACACAGGAGGCCACAGGACAGAGTGTCCACAGCAATCCACCAAGGTAACAGCTA 503	
Db	783	ACACAGGAGGCCACAGGACAGAGTGTCCACAGCAATCCACCAAGGTAACAGCTA 842	
Qy	504	AAGAAACACCCGAGAGAAACCTGCAATAGATTTAAAGCAGACATTTGCATTTCTG 563	
Db	843	AAGAAACACCCGAGAGAAACCTGCAATAGATTTAAAGCAGACATTTGCATTTCTG 902	
Qy	564	ATTGATGGAAGCTTTAATATTGGGCGAGCCGATTTAATTACAGAAATTTTGTGGA 623	
Db	903	ATTGATGGAAGCTTTAATATTGGGCGAGCCGATTTAATTACAGAAATTTTGTGGA 962	
Qy	624	AAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCATGTGGGCTTTGTTCAAGCC 683	
Db	963	AAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCATGTGGGCTTTGTTCAAGCC 1022	
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTGAATACTTACATCAGCCAAAGATGTTTG 743	
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTGAATACTTACATCAGCCAAAGATGTTTG 1082	
Qy	744	TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATCCAATACAGAAAGCCCTTGAAG 803	
Db	1083	TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATCCAATACAGAAAGCCCTTGAAG 1142	
Qy	804	CATCTGCTCAGAAATCTTCCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 863	
Db	1143	CATCTGCTCAGAAATCTTCCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 1202	
Qy	864	GTGGTGGTATTTATGATGTTGGCTTCTGATGACATCGAGGAGACGAGCATTTGTGCC 923	
Db	1203	GTGGTGGTATTTATGATGTTGGCTTCTGATGACATCGAGGAGACGAGCATTTGTGCC 1262	
Qy	924	AGAGAGTTGGTGTCAATGATTTATAGTTTCTGTGGCCCAAGCTTATCCCTGAGAACTG 983	
Db	1263	AGAGAGTTGGTGTCAATGATTTATAGTTTCTGTGGCCCAAGCTTATCCCTGAGAACTG 1322	

Qy	984	GGGATGGTTGAGATGTCAATTTGTCACAGGCTGTCTCTGGATATATGCTTCTTC 1043	
Db	1323	GGGATGGTTGAGATGTCAATTTGTCACAGGCTGTCTCTGGATATATGCTTCTTC 1382	
Qy	1044	TCATTACACATGCCCCAACTGGTTTGGCAACCAAAAATACATAAAGCCCTCTGGTACGAAG 1103	
Db	1383	TCATTACACATGCCCCAACTGGTTTGGCAACCAAAAATACATAAAGCCCTCTGGTACGAAG 1442	
Qy	1104	CTGTGCACTCATGAAACAAATGATGTGACGAAACCTGTTTAACTCAGTGAACATGGCC 1163	
Db	1443	CTGTGCACTCATGAAACAAATGATGTGACGAAACCTGTTTAACTCAGTGAACATGGCC 1502	
Qy	1164	TTTCTAAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223	
Db	1503	TTTCTAAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562	
Qy	1224	GTTTCCAACTAGCAAGACCTTTTGAATCTCGGACATTTGGTGCAAGATAGTGTGTA 1283	
Db	1563	GTTTCCAACTAGCAAGACCTTTTGAATCTCGGACATTTGGTGCAAGATAGTGTGTA 1622	
Qy	1284	CAGTTTACTTATGATCAGCGCACGGAGTTCAAGTTTCACTGACTATAGCACCAAGAGAAAT 1343	
Db	1623	CAGTTTACTTATGATCAGCGCACGGAGTTCAAGTTTCACTGACTATAGCACCAAGAGAAAT 1682	
Qy	1344	GTCTTAGCTGTATCAGAAACATCCGCTATATGATGTGTGGAACAGCTACTGTGTGATGCC 1403	
Db	1683	GTCTTAGCTGTATCAGAAACATCCGCTATATGATGTGTGGAACAGCTACTGTGTGATGCC 1742	
Qy	1404	ATTTCTCTTCACTGTGTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC 1463	
Db	1743	ATTTCTCTTCACTGTGTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC 1802	
Qy	1464	CTAGTAATGTGTCACAGATGGGCGCTCATGATGTCCAAAGCCCTGCAAGCTGTGCA 1523	
Db	1803	CTAGTAATGTGTCACAGATGGGCGCTCATGATGTCCAAAGCCCTGCAAGCTGTGCA 1862	
Qy	1524	CATGATCAGGAATCACTATCTTCTCTGTGTGTGGCTTGGGCACTCTCGATGACCTG 1583	
Db	1863	CATGATCAGGAATCACTATCTTCTCTGTGTGTGGCTTGGGCACTCTCGATGACCTG 1922	
Qy	1584	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1643	
Db	1923	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1982	
Qy	1644	TTTGAACCAATTTGTTTCTGATGTATCAGAGGCACTTCTAGAGATTTCTTAGAATCCCAG 1703	
Db	1983	TTTGAACCAATTTGTTTCTGATGTATCAGAGGCACTTCTAGAGATTTCTTAGAATCCCAG 2042	
Qy	1704	CAATATATGGTAAACATTTTGAACAACTGAAAGAAAAGTACAAGGGATCCAGTGTGAAT 1763	
Db	2043	CAATATATGGTAAACATTTTGAACAACTGAAAGAAAAGTACAAGGGATCCAGTGTGAAT 2102	
Qy	1764	TGTAATCTCATTAATGCTGAATGCTTTAGCATACTAGATCAGATACAAAACATATTAAGT 1823	
Db	2103	TGTAATCTCATTAATGCTGAATGCTTTAGCATACTAGATCAGATACAAAACATATTAAGT 2162	
Qy	1824	ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTCTTGGTTACAA 1883	
Db	2163	ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTCTTGGTTACAA 2222	
Qy	1884	TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCATATCATGCTCTTAGAAGCT 1943	
Db	2223	TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCATATCATGCTCTTAGAAGCT 2282	
Qy	1944	CAGGAAGAGGAGATTAATGTGGATTAACCTTTAAGAGTTCTTAACCATGCTCTTAAATG 2003	
Db	2283	CAGGAAGAGGAGATTAATGTGGATTAACCTTTAAGAGTTCTTAACCATGCTCTTAAATG 2342	
Qy	2004	TACAGATATGCAAAATCCATAGCTCAATATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063	
Db	2343	TACAGATATGCAAAATCCATAGCTCAATATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402	

RESULT 7
AAAF72412
ID AAUF72412 standard; cDNA; 2403 BP.
XX AC AAUF72412;
XX AC AAUF72412;
XX DT 24-APR-2001 (first entry)
XX DE Human PRO294 cDNA.
XX KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;
KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
KW antiangiogenic; vasotropic; antiasthmatic; antirheumatic; cancer;
KW antiarthritis; antineoplastic; antidiabetic; antiviral; diabetes;
KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;
KW ischaemia; inflammation; ss.
XX OS Homo sapiens.
XX WO200104311-A1.
XX PD 18-JAN-2001.
XX PF 22-FEB-2000; 2000WO-US004414.
XX PR 07-JUL-1999; 99US-0143048P.
XX PR 26-JUL-1999; 99US-0145698P.
XX PR 28-JUL-1999; 99US-0146222P.
XX PR 08-SEP-1999; 99WO-US020594.
XX PR 13-SEP-1999; 99WO-US020944.
XX PR 15-SEP-1999; 99WO-US021090.
XX PR 15-SEP-1999; 99WO-US021547.
XX PR 05-OCT-1999; 99WO-US023089.
XX PR 23-NOV-1999; 99WO-US028214.
XX PR 30-NOV-1999; 99WO-US028313.
XX PR 02-DEC-1999; 99WO-US028564.
XX PR 02-DEC-1999; 99WO-US028565.
XX PR 16-DEC-1999; 99WO-US030095.
XX PR 20-DEC-1999; 99WO-US030911.
XX PR 20-DEC-1999; 99WO-US030999.
XX PR 03-JAN-2000; 2000WO-US000219.
XX PA (GETH) GENENTECH INC.
XX PI Aahkenazi AJ, Botstein D, Desnovers L, Eaton DL, Ferrara N;
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin IJ;
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
PI Williams PM, Wood WI;
XX WPI; 2001-081051/09.
XX P-PSDB; AAB80251.
XX PT Sixty one nucleic acids encoding PRO polypeptides which are useful in the
PT treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous
PT cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's
PT disease).
XX
XX Claim 2; Fig 81; 393pp; English.
XX
XX The present sequence is one of sixty one nucleic acids encoding novel
CC secreted and transmembrane PRO polypeptides. The PRO polypeptides are
CC useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung
CC squamous cell carcinoma), gastrointestinal disorders (e.g. .
CC enterocolitis), neurodegenerative diseases (e.g. Alzheimer's disease,
CC Parkinson's disease), wound repair, cardiovascular disorders (e.g.
CC endometrial bleeding angiogenesis, ischaemias such as coronary ischaemia,
CC atherosclerosis), inflammatory disorders (e.g. asthma, rheumatoid
CC arthritis, multiple sclerosis), infertility, AIDS and diabetes and
CC retinal disorders such as retinitis pigmentosum. The PRO nucleic acids
CC have applications in molecular biology, including use as hybridization
CC probes, and in chromosome and gene mapping

XX SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;
Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
DB 363 TCTCTCCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 422
QY 84 GGGCTCGGTGTGTCTGTCTGTCTGCTGCCGGGGCCCGGGGAGGAGGAGCGCTCCC 143
DB 423 GGGCTCGGTGTGTCTGTCTGTCTGCTGCCGGGGCCCGGGGAGGAGGAGCGCTCCC 482
QY 144 ATTGCTATCACATGTTTTCACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCCT 203
DB 483 ATTGCTATCACATGTTTTCACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCCT 542
QY 204 TGCCAGGGGGCTGCCCTCTTGAGGAATTCCTCTGTGTATGGGAACATAGTATATGCTTCT 263
DB 543 TGCCAGGGGGCTGCCCTCTTGAGGAATTCCTCTGTGTATGGGAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 323
DB 603 GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 662
QY 324 GTACGAGTCTATAGCCCTTACCTGTGCGAGAAACTATTCTCAGTAGTCCCAATGCGCATC 383
DB 663 GTACGAGTCTATAGCCCTTACCTGTGCGAGAAACTATTCTCAGTAGTCCCAATGCGCATC 722
QY 384 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCAAGGCAAAAGTAGT 443
DB 723 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCAAGGCAAAAGTAGT 782
QY 444 ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCAATCCACACAGGTAACGACTA 503
DB 783 ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCAATCCACACAGGTAACGACTA 842
QY 504 AAGAAAACCCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 563
DB 843 AAGAAAACCCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 902
QY 564 ATTGATGGAAGCTTTAATATTGGGAGCGCCGATTTAATTTACAGAAAGATTTGTTGGA 623
DB 903 ATTGATGGAAGCTTTAATATTGGGAGCGCCGATTTAATTTACAGAAAGATTTGTTGGA 962
QY 624 AAGTGGCTCTAATGTGGGAATTGGAACAGAGGACCAATGTTGGGCTTGTTCAGGCC 683
DB 963 AAGTGGCTCTAATGTGGGAATTGGAACAGAGGACCAATGTTGGGCTTGTTCAGGCC 1022
QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTGGAAACTTTTACATCAGCCAAAGATGTTTG 743
DB 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGGAAACTTTTACATCAGCCAAAGATGTTTG 1082
QY 744 TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCAATAACAGGAAAGCTTGAAG 803
DB 1083 TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCAATAACAGGAAAGCTTGAAG 1142
QY 804 CATATGCTCAGAAATTTTTCACGGTAGATGCTGGAGTAAGAAAGGATTCCTCCAAAGTG 863
DB 1143 CATATGCTCAGAAATTTTTCACGGTAGATGCTGGAGTAAGAAAGGATTCCTCCAAAGTG 1202
QY 864 GTGGTGATTTTATGATGTTGGGCTTCTGATGACATCGAGGAGGAGGATTTGGGCC 923
DB 1203 GTGGTGATTTTATGATGTTGGGCTTCTGATGACATCGAGGAGGAGGATTTGGGCC 1262
QY 924 AGAGAGTGTGGTGTCAATGTATTATAGTTTCTGTGCGCAAGCTATTCCTCGAAGAACTG 983
DB 1263 AGAGAGTGTGGTGTCAATGTATTATAGTTTCTGTGCGCAAGCTATTCCTCGAAGAACTG 1322
QY 984 GGGATGTTTTCAGGATGCTCATTTGTTGTAAGGGCTGTCTGTGCGGAATTAATGCTTCTTC 1043

Db	1323	GGGATGGTTCAGGATGTCTCAATTTGGTTGACAAAGGCTGTCTGTCGGAAATAATGGCTCTCTTC	1382
Qy	1044	TCTTACCAATGCCAACTGGTTTGGCACCAAAATACGTTAAAGCCCTCTGGTACAGAAG	1103
Db	1383	TCTTACCACATGCCAACTGGTTTGGCACCAAAATACGTTAAAGCCCTCTGGTACAGAAG	1442
Qy	1104	CTGTGCACCTCATGAACAAATATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACAATTGCC	1163
Db	1443	CTGTGCACCTCATGAACAAATATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACAATTGCC	1502
Qy	1164	TTTCTAAATCATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGGCTCATGCTGCAATTTT	1223
Db	1503	TTTCTAAATCATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGGCTCATGCTGCAATTTT	1562
Qy	1224	GTTTCCAAACATGCCAAGACTTTTGAATCTCGGACAAATGGTGGCCAAAGATAGCTCTGTA	1283
Db	1563	GTTTCCAAACATGCCAAGACTTTTGAATCTCGGACAAATGGTGGCCAAAGATAGCTCTGTA	1622
Qy	1284	CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATATAGCAACAAAGAGAAT	1343
Db	1623	CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATATAGCAACAAAGAGAAT	1682
Qy	1344	GTCTAGCTGTCAACAGAAACNTCCGCTATACAGTGGTGGAAACAGCTACTGGTCAATGCC	1403
Db	1683	GTCTAGCTGTCAACAGAAACNTCCGCTATACAGTGGTGGAAACAGCTACTGGTCAATGCC	1742
Qy	1404	ATTTCTCTTCACTGTTAGAAATGTGTTTGGCCCTATAAGGGAGAGCCCCAAACAGAACTTC	1463
Db	1743	ATTTCTCTTCACTGTTAGAAATGTGTTTGGCCCTATAAGGGAGAGCCCCAAACAGAACTTC	1802
Qy	1464	CTAGTAAATTTGTCACAGATGGGCAGTCCCTATGATGATGTCCAAAGCCCTCGAGTCTGCA	1523
Db	1803	CTAGTAAATTTGTCACAGATGGGCAGTCCCTATGATGATGTCCAAAGCCCTCGAGTCTGCA	1862
Qy	1524	CATGATCAGGAATCACTATCTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTTG	1583
Db	1863	CATGATCAGGAATCACTATCTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTTG	1922
Qy	1584	AAAGATATGGCTTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGA	1643
Db	1923	AAAGATATGGCTTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGA	1982
Qy	1644	TTAGAACCAATTTGTTCTTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG	1703
Db	1983	TTAGAACCAATTTGTTCTTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG	2042
Qy	1704	CAATAATGGTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGATCCAGTGTGTAAT	1763
Db	2043	CAATAATGGTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGATCCAGTGTGTAAT	2102
Qy	1764	TGTATTCTCATTAATCTGAAATGCTTTAGCACTATAGNATCAGATACAAACCTATTAAAGT	1823
Db	2103	TGTATTCTCATTAATCTGAAATGCTTTAGCACTATAGNATCAGATACAAACCTATTAAAGT	2162
Qy	1824	ATGTCAACAGCCATTTTGGGCAATTAAGCACTCTTTAAAGCCGCTGGCTCTCTGGTTACAA	1883
Db	2163	ATGTCAACAGCCATTTTGGGCAATTAAGCACTCTTTAAAGCCGCTGGCTCTCTGGTTACAA	2222
Qy	1884	TTTACAGTGTACTTGTTTAAAAACACTGCTGAGGCTTCATTAATCATGGCTCTTAGAACT	1943
Db	2223	TTTACAGTGTACTTGTTTAAAAACACTGCTGAGGCTTCATTAATCATGGCTCTTAGAACT	2282
Qy	1944	CAGGAAAGGAGATTAATGTGATTAAGACCTTTAAGAGTTCCTAAACCATGCCCTACTAAATG	2003
Db	2283	CAGGAAAGGAGATTAATGTGATTAAGACCTTTAAGAGTTCCTAAACCATGCCCTACTAAATG	2342
Qy	2004	TACAGATATGCAATTTCCCTAGCTCAATTAAGAAATCTGATCTTATAGACCAAAAGCAACA	2063
Db	2343	TACAGATATGCAATTTCCCTAGCTCAATTAAGAAATCTGATCTTATAGACCAAAAGCAACA	2402

AAS45947 standard; cDNA; 2403 BP.

AAS45947;

18-DEC-2001 (first entry)

Human PNA encoding p90 polypeptide sequence #23:

PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss; dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha; blood; chondrocyte cell; cell proliferation; cell differentiation; colon; adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder; PCR primer.

Homo sapiens.

WO200168848-A2.

20-SEP-2007

28-FEB-2001: 2001WO-IIS006520.

01 MAY 2000: 2000WC-IIS005601

02-MAR-2000; 2000WO-US005841.

06-MAR-2000; 2000US-0186968P.

14-MAR-2000; 2000US-0189328P.

21-MAR-2000; 2000US-0190828P.

21-MAR-2000; 2000US-0191048P;
21-MAR-2000; 2000US-0191048P;

21-MAR-2000; 2000US-0191314F
29-MAR-2000; 2000US-0192655P

29-MAR-2000; 2000US-019303ZF.

30-MAR-2000; 2000WO-US008439.

04-APR-2000; 2000US-0194647P

11-APR-2000; 2000US-0196000P

11-APR-2000; 2000US-0196690P

18-APR-2000; 2000US-0198121P

18-APR-2000; 2000US-0199397P
25-APR-2000; 2000US-0199397P

25-APR-2000; 2000US-0199330F
25-APR-2000; 2000US-0199654P

03-MAY-2000; 2000US-0201516P
17 MAY 2000; 2000WO-IIS013705

22-MAY-2000; 2000WO-US014042

02-JUN-2000; 2000WO-US015264

28-JUL-2000; 2000WO-US020710

24-AUG-2000; 2000WO-US023328

08-NOV-2000; 2000NOV-2000
01-DEC-2000; 2000WO-US032678

06-DEC-2007; 0000Z-000000Z

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyer

2000

P-PSDB; AAU29046.

Novel nucleic acids encoding

screen for modulators of the

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL, Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WDT: 3001-602746/68

P-PSDB: AAU29046.

Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.

XX Claim 2; Fig 45; 774pp; English.
XX Sequences A845925-A846231 represent DNA molecules encoding and PCR
CC primers for PRO polypeptides of the invention. The sequences of the
CC invention can be used to detect the presence of a tumour in a mammal by
CC comparing the level of expression of a PRO polypeptide in a test sample
CC of cells from the animal and a control sample of normal cells, whereby a
CC higher level of expression in the test sample indicates the presence of a
CC tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep,
CC pigs, goats and rabbits but are preferably human. The polypeptides can be
CC used to stimulate tumour necrosis factor (TNF) alpha release from human
CC blood, when contacted with it. A specific polypeptide can be used to
CC stimulate the proliferation or differentiation of chondrocyte cells. The
CC PRO proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX
SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY	24	TCTCGACAGGTGTGACGACCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	83
DB	363		
QY	84	GGCCTCGGTGTGTCTGCTGCTGCTCCGGGGCCCGGGGACGAGGAGCGCTCCC	143
DB	423	GGCCTCGGTGTGTCTGCTGCTGCTCCGGGGCCCGGGGACGAGGAGCGCTCCC	482
QY	144	ATTGCTATCATGTTTTTACAGAGGCTTGCAATCAGGAAAGAGAAAGCAGATGCTTC	203
DB	483	ATTGCTATCATGTTTTTACAGAGGCTTGCAATCAGGAAAGAGAAAGCAGATGCTTC	542
QY	204	TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGATGGGACATAGTATGCTTCT	263
DB	543	TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGATGGGACATAGTATGCTTCT	602
QY	264	GTATCGAGCATATGTGGGGCTGTGCTCCAGGGGAGTATCAGCAACTCAGGGGACCT	323
DB	603	GTATCGAGCATATGTGGGGCTGTGCTCCAGGGGAGTATCAGCAACTCAGGGGACCT	662
QY	324	GTACGAGTCTATAGCTTACCTGTGTCGAGAAAACCTATTCCTCAGTAGTCCAAATGGCATC	383
DB	663	GTACGAGTCTATAGCTTACCTGTGTCGAGAAAACCTATTCCTCAGTAGTCCAAATGGCATC	722
QY	384	CAGTCTCAATGCTTTCTAGATGCTCTGCTTCTTTCACAGTAACCTAAGGCAAAAGTAGT	443
DB	723	CAGTCTCAATGCTTTCTAGATGCTCTGCTTCTTTCACAGTAACCTAAGGCAAAAGTAGT	782
QY	444	ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA	503
DB	783	ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA	842
QY	504	AAGAAAACACCCGAGAAAGAAAATCGGCAATAAGATTGTAAGCAGACATTCGATTTCTG	563
DB	843	AAGAAAACACCCGAGAAAGAAAATCGGCAATAAGATTGTAAGCAGACATTCGATTTCTG	902
QY	564	ATTGATGGAAGCTTTATATTTGGGACGCGGATTTTATTTACAGAGATTTTGTGGA	623
DB	903	ATTGATGGAAGCTTTATATTTGGGACGCGGATTTTATTTACAGAGATTTTGTGGA	962
QY	624	AAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGACCATATGCGGCTTTGTTCAAGCC	683
DB	963	AAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGACCATATGCGGCTTTGTTCAAGCC	1022
QY	684	AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACCTTTATCATCAGCACAAGATGTTTG	743
DB	1023	AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACCTTTATCATCAGCACAAGATGTTTG	1082

QY	744	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAAGCCTTGAAG	803
DB	1083	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAAGCCTTGAAG	1142
QY	804	CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGGATGCCCAAAGTG	863
DB	1143	CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGGATGCCCAAAGTG	1202
QY	864	GTGGTGGTATTTATGATGGTTGGCCCTTCATGATGACATCGAGGAAGCAGCATTTGGCC	923
DB	1203	GTGGTGGTATTTATGATGGTTGGCCCTTCATGATGACATCGAGGAAGCAGCATTTGGCC	1262
QY	924	AGAGAGTTTGGTGTCAATGATTTATTTAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG	983
DB	1263	AGAGAGTTTGGTGTCAATGATTTATTTAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG	1322
QY	984	GGGATGGTTCAGGATGTCATTTGTTGTGACAAAGGCTGTCTGTCGGAATTAATGCTTCTTC	1043
DB	1323	GGGATGGTTCAGGATGTCATTTGTTGTGACAAAGGCTGTCTGTCGGAATTAATGCTTCTTC	1382
QY	1044	TCTTACCAATGCGCAACTGGTTTGGCACCAAAAATACGTAAGGCTCTGCTGACAGAAG	1103
DB	1383	TCTTACCAATGCGCAACTGGTTTGGCACCAAAAATACGTAAGGCTCTGCTGACAGAAG	1442
QY	1104	CTGTGCACTCATGAAACAAATGATGTGACGCAAGACCTGTTTATACTCAGTGAACATTGCC	1163
DB	1443	CTGTGCACTCATGAAACAAATGATGTGACGCAAGACCTGTTTATACTCAGTGAACATTGCC	1502
QY	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGAGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1223
DB	1503	TTTCTAATTTGATGGCTCCAGCAGTGTGAGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1562
QY	1224	GTITTCACATAGCCAAAGACTTTTGAATCTCGGACATTTGGTGGCAAGATAGCTGCTGTA	1283
DB	1563	GTITTCACATAGCCAAAGACTTTTGAATCTCGGACATTTGGTGGCAAGATAGCTGCTGTA	1622
QY	1284	CAGTTTACTTATGATCAGCGCACGGAGTTTCACTTGACTGACTATAGCAACCAAGAGAAT	1343
DB	1623	CAGTTTACTTATGATCAGCGCACGGAGTTTCACTTGACTGACTATAGCAACCAAGAGAAT	1682
QY	1344	GTCTAGCTGTCTATCAGAAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTGATGCC	1403
DB	1683	GTCTAGCTGTCTATCAGAAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTGATGCC	1742
QY	1404	ATTTCTTCACTGTTAGAAATGTGTTTGGCCCTATTAAGGGAGAGCCCAACAGAACTTC	1463
DB	1743	ATTTCTTCACTGTTAGAAATGTGTTTGGCCCTATTAAGGGAGAGCCCAACAGAACTTC	1802
QY	1464	CTAGTAATTTGTACAGATGGGACGCTCTATGATGATGTCCAAGGCCCTGCAGCTGCTGCA	1523
DB	1803	CTAGTAATTTGTACAGATGGGACGCTCTATGATGATGTCCAAGGCCCTGCAGCTGCTGCA	1862
QY	1524	CATGATGCAAGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGCACCTCTGGATGACCTG	1583
DB	1863	CATGATGCAAGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGCACCTCTGGATGACCTG	1922
QY	1584	AAAGATATGGCTTCTTAAACCGAAGGAGTCTATGCTTTTCTTTCACAGAGAGTTTCAAGGA	1643
DB	1923	AAAGATATGGCTTCTTAAACCGAAGGAGTCTATGCTTTTCTTTCACAGAGAGTTTCAAGGA	1982
QY	1644	TTAGAACCAATTTGTTTCTGATGTGTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	1703
DB	1983	TTAGAACCAATTTGTTTCTGATGTGTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	2042
QY	1704	CAATAATGGTAAACATTTTTCACAACTGAAAGAAAAGTACAAAGGGGATCCAGTGTGTAAT	1763
DB	2043	CAATAATGGTAAACATTTTTCACAACTGAAAGAAAAGTACAAAGGGGATCCAGTGTGTAAT	2102
QY	1764	TGTAATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAATATTAAGT	1823
DB	2103	TGTAATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAATATTAAGT	2162

QY	1824	ATGTCACAGCCATTATAGGCAATATAGCACTCCTTTAAAGCCGCTGCTTCTGTTACAA	1883
Db	2163	ATGTCACAGCCATTATAGGCAATATAGCACTCCTTTAAAGCCGCTGCTTCTGTTACAA	2222
QY	1884	TTTACAGTGTACTTTGTTAAACACCTGCTGAGGCTTCATAATCATGGCTCTTAGAACT	1943
Db	2223	TTTACAGTGTACTTTGTTAAACACCTGCTGAGGCTTCATAATCATGGCTCTTAGAACT	2282
QY	1944	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCATAACCATGCTACTAAATG	2003
Db	2283	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCATAACCATGCTACTAAATG	2342
QY	2004	TACAGATATGCAATTCATAGTCTCAATAAAGAATCTGATACCTTAGACCAAAAGCAACA	2063
Db	2343	TACAGATATGCAATTCATAGTCTCAATAAAGAATCTGATACCTTAGACCAAAAGCAACA	2402
RESULT 9			
ACA60186			
ID	ACA60186 standard; cDNA; 2403 BP.		
XX	ACA60186;		
XX	12-JUN-2003 (first entry)		
DT	Human cDNA for secreted/transmembrane protein PRO294.		
DE			
XX	Human; ss; gene; secreted protein; transmembrane protein; PRO;		
KW	gene therapy; chromosome identification; chromosome marker.		
KW			
XX			
OS	Homo sapiens.		
XX			
FN	US2003003530-A1.		
XX			
PD	02-JAN-2003.		
XX			
XX	11-JUL-2001; 2001US-00904011.		
XX			
PR	17-SEP-1997;	97US-0059113P.	
PR	17-SEP-1997;	97US-0059115P.	
PR	17-SEP-1997;	97US-0059117P.	
PR	17-SEP-1997;	97US-0059119P.	
PR	17-SEP-1997;	97US-0059121P.	
PR	17-SEP-1997;	97US-0059122P.	
PR	17-SEP-1997;	97US-0059184P.	
PR	18-SEP-1997;	97US-0059263P.	
PR	18-SEP-1997;	97US-0059266P.	
PR	15-OCT-1997;	97US-0062125P.	
PR	17-OCT-1997;	97US-0062285P.	
PR	17-OCT-1997;	97US-0062287P.	
PR	21-OCT-1997;	97US-0063486P.	
PR	24-OCT-1997;	97US-0062814P.	
PR	24-OCT-1997;	97US-0063045P.	
PR	24-OCT-1997;	97US-0063120P.	
PR	24-OCT-1997;	97US-0063121P.	
PR	24-OCT-1997;	97US-0063127P.	
PR	24-OCT-1997;	97US-0063128P.	
PR	27-OCT-1997;	97US-0063327P.	
PR	27-OCT-1997;	97US-0063329P.	
PR	28-OCT-1997;	97US-0063541P.	
PR	28-OCT-1997;	97US-0063542P.	
PR	28-OCT-1997;	97US-0063544P.	
PR	28-OCT-1997;	97US-0063549P.	
PR	28-OCT-1997;	97US-0063550P.	
PR	28-OCT-1997;	97US-0063564P.	
PR	29-OCT-1997;	97US-0063435P.	
PR	29-OCT-1997;	97US-0063704P.	
PR	29-OCT-1997;	97US-0063732P.	
PR	29-OCT-1997;	97US-0063734P.	
PR	29-OCT-1997;	97US-0063735P.	
PR	29-OCT-1997;	97US-0063738P.	
PR	29-OCT-1997;	97US-0064215P.	

PR	31-OCT-1997;	97US-0063870P.
PR	31-OCT-1997;	97US-0064103P.
PR	03-NOV-1997;	97US-0064248P.
PR	07-NOV-1997;	97US-0064809P.
PR	12-NOV-1997;	97US-0065186P.
PR	17-NOV-1997;	97US-0065846P.
PR	18-NOV-1997;	97US-0065693P.
PR	21-NOV-1997;	97US-0066120P.
PR	21-NOV-1997;	97US-0066364P.
PR	24-NOV-1997;	97US-0066453P.
PR	24-NOV-1997;	97US-0066466P.
PR	24-NOV-1997;	97US-0066511P.
PR	24-NOV-1997;	97US-0066770P.
PR	24-NOV-1997;	97US-0066772P.
PR	10-SEP-1998;	98WO-US018924.
PR	14-SEP-1998;	98WO-US019177.
PR	16-SEP-1998;	98WO-US019330.
PR	17-SEP-1998;	98WO-US019437.
PR	01-DEC-1998;	98WO-US025108.
PR	08-SEP-1999;	99WO-US020594.
PR	13-SEP-1999;	99WO-US020944.
PR	15-SEP-1999;	99WO-US021090.
PR	15-SEP-1999;	99WO-US021547.
PR	05-OCT-1999;	99WO-US023089.
PR	29-NOV-1999;	99WO-US028214.
PR	30-NOV-1999;	99WO-US028313.
PR	01-DEC-1999;	99WO-US028301.
PR	02-DEC-1999;	99WO-US028564.
PR	02-DEC-1999;	99WO-US028565.
PR	16-DEC-1999;	99WO-US030095.
PR	20-DEC-1999;	99WO-US030911.
PR	20-DEC-1999;	99WO-US030999.
PR	05-JAN-2000;	2000WO-US000219.
PR	11-FEB-2000;	2000WO-US003565.
PR	22-FEB-2000;	2000WO-US004414.
PR	24-FEB-2000;	2000WO-US005004.
PR	02-MAR-2000;	2000WO-US005841.
PR	20-MAR-2000;	2000WO-US007377.
PR	30-MAR-2000;	2000WO-US008439.
PR	22-MAY-2000;	2000WO-US014042.
PR	02-JUN-2000;	2000WO-US015264.
PR	28-JUL-2000;	2000WO-US020710.
PR	24-AUG-2000;	2000WO-US023328.
PR	18-SEP-2000;	2000US-00665350.
XX	(GETH) GENENTECH INC.	
PA		
XX	Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;	
PI	Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;	
PI	Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;	
PI	Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;	
PI	Williams PM, Wood WL;	
XX	WPI; 2003-329602/31.	
DR	P-PSDB; ABU71930.	
XX	New transmembrane polypeptides and nucleic acids encoding the	
PT	polypeptides, useful in gene therapy, in chromosome identification, as	
PT	chromosome markers, in generating probes and in tissue typing.	
XX	Claim 2; Fig 81; 484pp; English.	
XX	The invention relates to an isolated nucleic acid with at least 80%	
CC	nucleic acid sequence identity to a nucleotide sequence encoding one of	
CC	61 secreted/transmembrane polypeptides, or PRO polypeptides or encoding a	
CC	PRO protein/extracellular domain. Also included are a vector comprising	
CC	the PRO nucleic acid, a host cell comprising the vector, producing a PRO	
CC	polypeptide (by culturing the host cell for the expression of the PRO	
CC	polypeptide, and recovering the PRO polypeptide from the cell culture),	
CC	an isolated PRO polypeptide (having at least 80% sequence identity to:	
CC	a) an amino acid sequence selected from the 61 PRO proteins; (b) an amino	
CC	acid sequence encoded by a nucleic acid molecule deposited with an ATCC	
CC	number (detailed in the specification); or (c) an extracellular domain of	

a PRO polypeptide or to a PRO polypeptide lacking its associated signal peptide), a chimeric molecule comprising a PRO polypeptide of fused to a heterologous amino acid sequence, an anti-PRO antibody, detecting a PRO245 or PRO1868 in a sample suspected of containing the polypeptide, linking a bioactive molecule to a cell expressing a PRO245 or PRO1868 and modulating at least one biological activity of a cell expressing a PRO245 or PRO1868. Nucleic acids which encode PRO can be used to generate either transgenic animals or knock-out animals which may be used in the development and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy, in chromosome identification, as chromosome markers, or in generating probes. The PRO polypeptides are useful as molecular markers for protein electrophoresis, and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides and nucleic acids may also be used in tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO, and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence encodes a PRO protein

CC	Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;	
CC	Query Match	80.1%; Score 2028.8; DB 8; Length 2403;
CC	Best Local Similarity	99.7%; Pred. No. 0;
CC	Matches 2033; Conservative	0; Mismatches 7; Indels 0; Gaps 0;
Qy	24	TCTCGAGCAGGTGTGAGCAGCTATCAGTCAACATGTCGAGCTCGATCCCGGCTCTC 83
Db	363	TCTCTCCAGGTGTGAGCAGCTATCAGTCAACATGTCGAGCTCGATCCCGGCTCTC 422
Qy	84	GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGCGAGGAGCGGCTCC 143
Db	423	GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGCGAGGAGCGGCTCC 482
Qy	144	ATTGCTATCATGTTTTACAGAGGCTTGACATCAGGAAGAGAGAGATGTCCTC 203
Db	483	ATTGCTATCATGTTTTACAGAGGCTTGACATCAGGAAGAGAGAGATGTCCTC 542
Qy	204	TGCCAGGGGCTGCCCTCTTGAGAAATCTCTGTGTATGGAAACATAGTATATGCTTCT 263
Db	543	TGCCAGGGGCTGCCCTCTTGAGAAATCTCTGTGTATGGAAACATAGTATATGCTTCT 602
Qy	264	GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTATCAGCAACTCAGGGGACCT 323
Db	603	GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTATCAGCAACTCAGGGGACCT 662
Qy	324	GTACGAGCTATAGCCTACCTGTGCGAGAAATCTTCTCAGTAGATGCCATC 383
Db	663	GTACGAGCTATAGCCTACCTGTGCGAGAAATCTTCTCAGTAGATGCCATC 722
Qy	384	CAGTCTCAAAATGCTTCTAGATGCTCTGCTTCTTTCACAGTAACCTAAAGGCAAAAGTAGT 443
Db	723	CAGTCTCAAAATGCTTCTAGATGCTCTGCTTCTTTCACAGTAACCTAAAGGCAAAAGTAGT 782
Qy	444	ACACAGAGGCGCACAGACAGCGAGTGTCCACAGCACATCCACACAGTAACGACTA 503
Db	783	ACACAGAGGCGCACAGACAGCGAGTGTCCACAGCACATCCACACAGTAACGACTA 842
Qy	504	AAGAAACACCCGAGAGAAATCGGCAATAAGATGTAAAGCAGACATTCGATTTCTG 563
Db	843	AAGAAACACCCGAGAGAAATCGGCAATAAGATGTAAAGCAGACATTCGATTTCTG 902
Qy	564	ATTGATGGAAGCTTTAATATTTGGGCGCGCGATTTAATTTACAGAGAAATTTTGTGGA 623
Db	903	ATTGATGGAAGCTTTAATATTTGGGCGCGCGATTTAATTTACAGAGAAATTTTGTGGA 962
Qy	624	AAAGTGCTCTAATGTGGGAATTTGGAAACAGAGGACCAATGTGGGCGCTTGTCAAGCC 683
Db	963	AAAGTGCTCTAATGTGGGAATTTGGAAACAGAGGACCAATGTGGGCGCTTGTCAAGCC 1022
Qy	684	AGTGAACATCCCAAAATAGAAATTTACTTCGAAAACCTTTACATCAGCCCAAGATGTTTG 743
Db	1023	AGTGAACATCCCAAAATAGAAATTTACTTGA AAAACCTTTACATCAGCCCAAGATGTTTG 1082
Qy	744	TTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAAATTTCCAATACAGGAAAGCCTTGAAG 803

Db	1083	TTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAAATTTCCAATACAGGAAAGCCTTGAAG 1142
Qy	804	CATACTGCTCAGAAATCTTTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGAGTG 863
Db	1143	CATACTGCTCAGAAATCTTTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGAGTG 1202
Qy	864	GTGGTGTATTTATTTGATGGTGGCCCTTCTGATGACATCGAGGAAGCAGGATTTGGGCC 923
Db	1203	GTGGTGTATTTATTTGATGGTGGCCCTTCTGATGACATCGAGGAAGCAGGATTTGGGCC 1262
Qy	924	AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
Db	1263	AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy	984	GGGATGGTTCAGAGTGTCAATTTGTTGACAAAGGCTGTCTGTGGGAATATAGGCTTCTTC 1043
Db	1323	GGGATGGTTCAGAGTGTCAATTTGTTGACAAAGGCTGTCTGTGGGAATATAGGCTTCTTC 1382
Qy	1044	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGGTACAGAG 1103
Db	1383	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGGTACAGAG 1442
Qy	1104	CTGTGCACTCATGAACAAATGATGTGTCAGCAAGACCTGTTTATTAATCTCAGTGAACATTTGCC 1163
Db	1443	CTGTGCACTCATGAACAAATGATGTGTCAGCAAGACCTGTTTATTAATCTCAGTGAACATTTGCC 1502
Qy	1164	TTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db	1503	TTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy	1224	GTWTTCAAACATAGCAAGACCTTTTGAAATCTCGGACATTTGGTCCAAAGTAGCTGCTGA 1283
Db	1563	GTWTTCAAACATAGCAAGACCTTTTGAAATCTCGGACATTTGGTCCAAAGTAGCTGCTGA 1622
Qy	1284	CAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTTCATGCACTATAGCAACCAAGAGAAAT 1343
Db	1623	CAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTTCATGCACTATAGCAACCAAGAGAAAT 1682
Qy	1344	GTCTAGCTGTCAATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGTGATGCC 1403
Db	1683	GTCTAGCTGTCAATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGTGATGCC 1742
Qy	1404	ATTTCTTCTACTGTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1463
Db	1743	ATTTCTTCTACTGTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1802
Qy	1464	CTAGTAATTTGTCA CAGATGGCGAGTCTCTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1523
Db	1803	CTAGTAATTTGTCA CAGATGGCGAGTCTCTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1862
Qy	1524	CATGATGCAGGAATCACTATCTTCTCTGTGGTGGCTTGGGCACTCTGGATGACCTG 1583
Db	1863	CATGATGCAGGAATCACTATCTTCTCTGTGGTGGCTTGGGCACTCTGGATGACCTG 1922
Qy	1584	AAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db	1923	AAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1982
Qy	1644	TTAGAACCAATTTGTTTCTGATGTTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db	1983	TTAGAACCAATTTGTTTCTGATGTTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy	1704	CAATAATGTTAAATTTTGACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 1763
Db	2043	CAATAATGTTAAATTTTGACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 2102
Qy	1764	TGTATTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 1823
Db	2103	TGTATTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 2162
Qy	1824	ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTTAAAGCCCGCTCTCTGTTTACAA 1883

Db	2163	ATCTCAACGCCANTTAGGCAATAAGCACTCTTTAAAGCCGCTGCCCTTCTGGTTACAA	2222	PR	08-APR-1998;	98US-0081049P.
				PR	08-APR-1998;	98US-0081070P.
Qy	1884	TTTACAGTGACTTTGTTTAAAAACACTGCTGAGGCTTTCATAATCATGCGTCTTTAGAAACT	1943	PR	09-APR-1998;	98US-0081195P.
				PR	15-APR-1998;	98US-0081838P.
Db	2223	TTTACAGTGACTTTGTTTAAAAACACTGCTGAGGCTTTCATAATCATGCGTCTTTAGAACT	2282	PR	21-APR-1998;	98US-0082568P.
				PR	21-APR-1998;	98US-0082569P.
Qy	1944	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTTAAATG	2003	PR	22-APR-1998;	98US-0082704P.
				PR	22-APR-1998;	98US-0082797P.
Db	2283	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTTAAATG	2342	PR	22-APR-1998;	98US-0083322P.
				PR	29-APR-1998;	98US-0083495P.
Qy	2004	TACAGATATCAAAATTCATAGCTCAATAAAGATCTGATCTTAGACCAAGCAACA	2063	PR	29-APR-1998;	98US-0083496P.
				PR	29-APR-1998;	98US-0083499P.
Db	2343	TACAGATATCAAAATTCATAGCTCAATAAAGATCTGATCTTAGACCAAGCAAAAAA	2402	PR	29-APR-1998;	98US-0083559P.
				PR	05-MAY-1998;	98US-0083559P.
RESULT 10				PR	06-MAY-1998;	98US-0084414P.
ACA89397				PR	07-MAY-1998;	98US-0084639P.
ID	ACA89397	standard; cDNA; 2403 BP.		PR	07-MAY-1998;	98US-0084640P.
AC	AC			PR	07-MAY-1998;	98US-0084643P.
XX				PR	15-MAY-1998;	98US-0085579P.
XX				PR	15-MAY-1998;	98US-0085580P.
DT	09-JUL-2003	(first entry)		PR	15-MAY-1998;	98US-0085582P.
XX				PR	15-MAY-1998;	98US-0085700P.
DE		cDNA encoding human PRO polypeptide #23.		PR	18-MAY-1998;	98US-0086023P.
XX				PR	22-MAY-1998;	98US-0086392P.
KW		Human; PRO polypeptide; secreted protein; transmembrane protein;		PR	22-MAY-1998;	98US-0086486P.
KW		chromosome mapping; gene mapping; tumour; adrenal; lung; colon; breast;		PR	28-MAY-1998;	98US-0087098P.
KW		prostate; rectal; cervical; liver; cancer; TNF-alpha;		PR	28-MAY-1998;	98US-0087208P.
KW		tumour necrosis factor-alpha; proliferation; differentiation;		PR	02-JUN-1998;	98US-0087609P.
KW		chondrocyte cell; bone disorder; cartilage disorder; sports injury;		PR	02-JUN-1998;	98US-0087759P.
KW		arthritis; cytostatic; antiarthritic; osteopathic; gene therapy; gene;		PR	03-JUN-1998;	98US-0087827P.
XX		ss.		PR	04-JUN-1998;	98US-0088025P.
XX				PR	04-JUN-1998;	98US-0088028P.
OS		Homo sapiens.		PR	04-JUN-1998;	98US-0088029P.
XX				PR	04-JUN-1998;	98US-0088033P.
PN	US2003036141-A1.			PR	04-JUN-1998;	98US-0088326P.
XX				PR	05-JUN-1998;	98US-0088167P.
XX				PR	05-JUN-1998;	98US-0088202P.
PD	20-FEB-2003.			PR	05-JUN-1998;	98US-0088212P.
XX				PR	05-JUN-1998;	98US-0088217P.
XX				PR	09-JUN-1998;	98US-0088655P.
XX				PR	10-JUN-1998;	98US-0088722P.
PR	18-SEP-1997;	97US-0059263P.		PR	10-JUN-1998;	98US-0088738P.
PR	18-SEP-1997;	97US-0059266P.		PR	10-JUN-1998;	98US-0088740P.
PR	17-OCT-1997;	97US-0062250P.		PR	10-JUN-1998;	98US-0088811P.
PR	21-OCT-1997;	97US-0063486P.		PR	10-JUN-1998;	98US-0088824P.
PR	24-OCT-1997;	97US-0063120P.		PR	10-JUN-1998;	98US-0088825P.
PR	24-OCT-1997;	97US-0063121P.		PR	10-JUN-1998;	98US-0088826P.
PR	28-OCT-1997;	97US-0063540P.		PR	11-JUN-1998;	98US-0088861P.
PR	28-OCT-1997;	97US-0063541P.		PR	11-JUN-1998;	98US-0088863P.
PR	28-OCT-1997;	97US-0063544P.		PR	11-JUN-1998;	98US-0088876P.
PR	28-OCT-1997;	97US-0063564P.		PR	12-JUN-1998;	98US-0089090P.
PR	29-OCT-1997;	97US-0063734P.		PR	12-JUN-1998;	98US-0089105P.
PR	31-OCT-1997;	97US-0063870P.		PR	16-JUN-1998;	98US-0089512P.
PR	31-OCT-1997;	97US-0064103P.		PR	16-JUN-1998;	98US-0089514P.
PR	13-NOV-1997;	97US-0065311P.		PR	17-JUN-1998;	98US-0089538P.
PR	21-NOV-1997;	97US-0066120P.		PR	17-JUN-1998;	98US-0089598P.
PR	24-NOV-1997;	97US-0066466P.		PR	18-JUN-1998;	98US-0089653P.
PR	11-DEC-1997;	97US-0066772P.		PR	18-JUN-1998;	98US-0089908P.
PR	12-DEC-1997;	97US-0069425P.		PR	19-JUN-1998;	98US-0089925P.
PR	17-DEC-1997;	97US-0069870P.		PR	22-JUN-1998;	98US-0090246P.
PR	18-DEC-1997;	97US-0068017P.		PR	22-JUN-1998;	98US-0090252P.
PR	10-MAR-1998;	98US-0077450P.		PR	24-JUN-1998;	98US-0090429P.
PR	11-MAR-1998;	98US-0077632P.		PR	24-JUN-1998;	98US-0090435P.
PR	11-MAR-1998;	98US-0077649P.		PR	24-JUN-1998;	98US-0090444P.
PR	20-MAR-1998;	98US-0078886P.		PR	24-JUN-1998;	98US-0090461P.
PR	20-MAR-1998;	98US-0078939P.		PR	24-JUN-1998;	98US-0090535P.
PR	27-MAR-1998;	98US-0079664P.		PR	24-JUN-1998;	98US-0090429P.
PR	27-MAR-1998;	98US-0079786P.		PR	25-JUN-1998;	98US-0090540P.
PR	31-MAR-1998;	98US-0080107P.		PR	25-JUN-1998;	98US-0090676P.
PR	31-MAR-1998;	98US-0080194P.		PR	25-JUN-1998;	98US-0090678P.
PR	01-APR-1998;	98US-0080327P.		PR	25-JUN-1998;	98US-0090688P.
PR	01-APR-1998;	98US-0080333P.		PR	25-JUN-1998;	98US-0090690P.
				PR	25-JUN-1998;	98US-0090694P.

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us-09-394-264-1.rng

Db 1383 TCTTACCACATGCCCAACTGGTTTGGCACCACAAAATACGTAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATATACTCAGTGAACATTCGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATATACTCAGTGAACATTCGCC 1502
Qy 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTCAATTT 1223
Db 1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTCAATTT 1562
Qy 1224 GTTTCACAACATGCCAAGACTTTTGAATCTCGGACATTTGGTGCCGAGATAGCTGCTGTA 1283
Db 1563 GTTTCACAACATGCCAAGACTTTTGAATCTCGGACATTTGGTGCCGAGATAGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCACAAAGAGAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCACAAAGAGAT 1682
Qy 1344 GTCCTAGCTGTATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGGTGATGCC 1403
Db 1683 GTCCTAGCTGTATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGGTGATGCC 1742
Qy 1404 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATAAGGAGAGCCCAACAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATAAGGAGAGCCCAACAGAACTTC 1802
Qy 1464 CTAGTAATGTTCACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTCGAGCTGTGCA 1523
Db 1803 CTAGTAATGTTCACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTCGAGCTGTGCA 1862
Qy 1524 CATGATGAGGAATCAGTATCTTCTGTGTGGTGGCTTGGGACCTCTGGATGACCTG 1583
Db 1863 CATGATGAGGAATCAGTATCTTCTGTGTGGTGGCTTGGGACCTCTGGATGACCTG 1922
Qy 1584 AAAGATATGGTCTTAAACCAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db 1923 AAAGATATGGTCTTAAACCAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGTATGTCTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGTATGTCTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATTAATGGTAACATTTTGAACCTGAAGAAAGTACAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATTAATGGTAACATTTTGAACCTGAAGAAAGTACAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTTAAGT 1823
Db 2103 TGTATTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTTAAGT 2162
Qy 1824 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTGGTTACAA 1883
Db 2163 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAAGGAGAGATAATGTGATTAAACCTTTAAGAGTTCTAACCATGCCTACTAATG 2003
Db 2283 CAGGAAAGGAGAGATAATGTGATTAAACCTTTAAGAGTTCTAACCATGCCTACTAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCATATAAAGAACTGTATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCATATAAAGAACTGTATCTTAGACCAAAAGCAACA 2402

RESULT 11
ACA73407
ID ACA73407 standard; cDNA; 2403 BP.
XX
AC ACA73407;
XX

DT 01-JUL-2003 (first entry)
XX Human secreted/transmembrane protein (PRO) cDNA #23.
DE Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
XX proliferation; differentiation; chondrocyte cells;
KW tumour necrosis factor-alpha; TNF-alpha; blood; gene therapy.
KW
XX Homo sapiens.
XX US2003036146-A1.
XX 20-FEB-2003.
XX 02-JUL-2002; 2002US-00187603.
XX 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 28-DEC-2000; 2000WO-US034956.
PR 28-DEC-2000; 2001WO-US006520.
PR 22-FEB-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.

Mon Aug 22 09:33:15 2005

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1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT 1343
1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT 1682
1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTCGGTGATGCC 1403
1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTCGGTGATGCC 1742
1404 ATTTCCCTTCTACTGTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1463
1743 ATTTCCCTTCTACTGTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1802
1464 CTAGTAATGCTCAGATGGCGAGTCTATGATGATGTCACAGGCCCTCAGCTGCTGCA 1523
1803 CTAGTAATGCTCAGATGGCGAGTCTATGATGATGTCACAGGCCCTCAGCTGCTGCA 1862
1524 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACCTCTGGATGACCTG 1583
1863 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACCTCTGGATGACCTG 1922
1584 AAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTCTTCAAGAGAGTTCACAGCA 1643
1923 AAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTCTTCAAGAGAGTTCACAGCA 1982
1644 TTAGAACCCTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAAACCCAG 1703
1983 TTAGAACCCTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAAACCCAG 2042
1704 CAATAATGGTAACTTTTGAACAACCTGAAGAAAGTACAAGGGATCCAGTGTGTAAT 1763
2043 CAATAATGGTAACTTTTGAACAACCTGAAGAAAGTACAAGGGATCCAGTGTGTAAT 2102
1764 TGATTTCTCAATACTGAAATGCTTTAGCATCTAGCAATCAGATACAAACTATTAAAGT 1823
2103 TGATTTCTCAATACTGAAATGCTTTAGCATCTAGCAATCAGATACAAACTATTAAAGT 2162
1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTAAAGCGCTGCTCTGTGTTACAA 1883
2163 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTAAAGCGCTGCTCTGTGTTACAA 2222
1884 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
1944 CAGGAAAGAGAGATAATGTGGATTAAACCTTAAAGGTTCTAACCATGCTACTAAATG 2003
2283 CAGGAAAGAGAGATAATGTGGATTAAACCTTAAAGGTTCTAACCATGCTACTAAATG 2342
2004 TACAGATATGCAATTCATAGCTCAATAAAGATCTGATCTAGACCAAGCAACA 2063
2343 TACAGATATGCAATTCATAGCTCAATAAAGATCTGATCTAGACCAAGCAACA 2402

RESULT 12
ACA05722
ID ACA05722 standard; cDNA; 2403 BP.

XX AC ACA05722;

XX DT 29-MAY-2003 (first entry)

XX DE Human secreted/transmembrane protein (PRO) cDNA #23.

XX KW Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
XX KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
XX KW tissue typing.

XX OS Homo sapiens.

XX PN US2003036162-A1.

XX PD 20-FEB-2003.

XX PF 12-JUL-2002; 2002US-00194423.
XX PR 26-JUN-1998; 98US-00105413.
XX PR 16-SEP-1998; 98WO-US019330.
XX PR 07-OCT-1998; 98US-00168978.
XX PR 07-OCT-1998; 98WO-US021141.
XX PR 06-NOV-1998; 98US-00187368.
XX PR 01-DEC-1998; 98WO-US025108.
XX PR 07-DEC-1998; 98US-00202054.
XX PR 03-MAR-1999; 99US-00254311.
XX PR 08-MAR-1999; 99WO-US005028.
XX PR 14-MAY-1999; 99US-00311832.
XX PR 14-MAY-1999; 99WO-US010733.
XX PR 02-JUN-1999; 99WO-US012252.
XX PR 25-AUG-1999; 99US-00380137.
XX PR 25-AUG-1999; 99US-00380138.
XX PR 25-AUG-1999; 99US-00380139.
XX PR 25-AUG-1999; 99US-00380142.
XX PR 01-SEP-1999; 99WO-US020111.
XX PR 15-SEP-1999; 99WO-US021090.
XX PR 18-OCT-1999; 99US-00403297.
XX PR 12-NOV-1999; 99US-00423844.
XX PR 01-DEC-1999; 99WO-US028301.
XX PR 02-DEC-1999; 99WO-US028551.
XX PR 30-DEC-1999; 99WO-US031274.
XX PR 05-JAN-2000; 2000WO-US000219.
XX PR 18-FEB-2000; 2000WO-US004341.
XX PR 22-FEB-2000; 2000WO-US004342.
XX PR 24-FEB-2000; 2000WO-US004414.
XX PR 01-MAR-2000; 2000WO-US005004.
XX PR 02-MAR-2000; 2000WO-US005601.
XX PR 15-MAR-2000; 2000WO-US005841.
XX PR 30-MAR-2000; 2000WO-US006884.
XX PR 17-MAY-2000; 2000WO-US008439.
XX PR 22-MAY-2000; 2000WO-US013705.
XX PR 22-MAY-2000; 2000WO-US014042.
XX PR 30-MAY-2000; 2000WO-US014941.
XX PR 02-JUN-2000; 2000WO-US015264.
XX PR 28-JUL-2000; 2000WO-US020710.
XX PR 22-AUG-2000; 2000US-00644848.
XX PR 24-AUG-2000; 2000WO-US023328.
XX PR 18-SEP-2000; 2000US-00664610.
XX PR 18-SEP-2000; 2000US-00665350.
XX PR 08-NOV-2000; 2000US-00709238.
XX PR 08-NOV-2000; 2000WO-US030952.
XX PR 01-DEC-2000; 2000WO-US032678.
XX PR 20-DEC-2000; 2000US-00747259.
XX PR 20-DEC-2000; 2000WO-US034956.
XX PR 28-FEB-2001; 2001WO-US006520.
XX PR 22-MAR-2001; 2001US-00816744.
XX PR 10-MAY-2001; 2001US-00854208.
XX PR 10-MAY-2001; 2001US-00854280.
XX PR 25-MAY-2001; 2001US-00866028.
XX PR 01-JUN-2001; 2001WO-US017800.
XX PR 05-JUN-2001; 2001US-00874503.
XX PR 20-JUN-2001; 2001WO-US019692.
XX PR 29-JUN-2001; 2001WO-US021066.
XX PR 09-JUL-2001; 2001WO-US021735.
XX PR 18-JUL-2001; 2001US-00908827.
XX PR 30-JUL-2001; 2001US-00918585.
XX PR 06-AUG-2001; 2001US-00924419.
XX PR 13-AUG-2001; 2001US-00929404.
XX PR 16-AUG-2001; 2001US-00931836.
XX PR 28-AUG-2001; 2001US-00941992.
XX PR 29-AUG-2001; 2001WO-US027099.
XX PR 04-SEP-2001; 2001US-00946374.
XX PR 15-JAN-2002; 2002US-00052586.

(GETH) GENENTECH INC.

XX PA Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
XX PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX PI

XX WPI; 2003-332039/31.
DR P-PSDB; ABU67428.
XX
PT New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy, in chromosome and gene mapping, as chromosome markers,
PT in tissue typing, and in chromosome identification.
XX
PS Claim 2; Fig 45; 706pp; English.

XX The invention discloses human nucleic acids encoding secreted and
CC transmembrane (PRO) polypeptides. Also disclosed is an antibody that
CC specifically binds to the PRO polypeptide, a method for stimulating the
CC release of tumor necrosis factor alpha (TNF-alpha) from human blood by
CC contacting the blood a PRO polypeptide, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide, a method for detecting the presence of a
CC tumour in a mammal and an oligonucleotide probe derived from any of the
CC PRO nucleotide sequences. The nucleotide sequences are useful as probes,
CC in chromosome and gene mapping, in generating antisense RNA and DNA, in
CC preparing PRO polypeptides by recombinant techniques and in gene therapy
CC (e.g. for replacement of defective gene). The PRO polypeptides are useful
CC as molecular weight markers for protein electrophoresis purposes, for
CC chromosome identification, as chromosome markers, as therapeutic agents,
CC for stimulating the release of TNF-alpha from human blood, for
CC stimulating the proliferation or differentiation of chondrocytes and
CC detecting the presence of a tumour. The PRO polypeptides and nucleic
CC acids may also be used diagnostically for tissue typing. The sequences
CC presented in AC05700-AC06004 are the cDNAs encoding the PRO
CC polypeptides of the invention
XX

SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.18; Score 2028.8; DB 8; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY	564	ATTGATGGAAGCTTTAATATTGGGCGAGCGCCGATTTAATTTACAGAGAATTTTGTGGA	623
DB	903	ATTGATGGAAGCTTTAATATTGGGCGAGCGCCGATTTAATTTACAGAGAATTTTGTGGA	962
QY	624	AAAGTGCTCTAATGTTGGGAATTGGAAAGAGGACCAATGTGGGCCCTTGTTCAGGCC	683
DB	963	AAAGTGCTCTAATGTTGGGAATTGGAAAGAGGACCAATGTGGGCCCTTGTTCAGGCC	1022
QY	684	AGTGAACATCCCAAAATAGAAATTTACTTCGAAAACCTTTATCATCAGCCAAAGATGTTTG	743
DB	1023	AGTGAACATCCCAAAATAGAAATTTACTTCGAAAACCTTTATCATCAGCCAAAGATGTTTG	1082
QY	744	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCCAATACAGAAAAGCCTTCAAG	803
DB	1083	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCCAATACAGAAAAGCCTTCAAG	1142
QY	804	CATACCTGCTCAGAAAATTTCTTCAGGATAGATGCTGGAGTAAGAAAAGGGATCCCAAGTG	863
DB	1143	CATACCTGCTCAGAAAATTTCTTCAGGATAGATGCTGGAGTAAGAAAAGGGATCCCAAGTG	1202
QY	864	GTGCTGTATTTTATGATGGTTCGCTTCATGATGACATCCAGGAAGCAGCATTTGTGCC	923
DB	1203	GTGCTGTATTTTATGATGGTTCGCTTCATGATGACATCCAGGAAGCAGCATTTGTGCC	1262
QY	924	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	983
DB	1263	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	1322
QY	984	GGATGGTTCAGGATGTCAATTTGTTGACAAAGGCTGTCTGTGGAAATATATGGCTTCTTC	1043
DB	1323	GGATGGTTCAGGATGTCAATTTGTTGACAAAGGCTGTCTGTGGAAATATATGGCTTCTTC	1382
QY	1044	TCCTTACCATGCGCCAACTGGTTTGGCACACAAAATACGTAAGGCTCTGTTACAGAAAG	1103
DB	1383	TCCTTACCATGCGCCAACTGGTTTGGCACACAAAATACGTAAGGCTCTGTTACAGAAAG	1442
QY	1104	CTGTGCACTCATGAACAAATGATGTGTCAGCAAGACCTGTTTATTAACCTCAGTGAACATGGC	1163
DB	1443	CTGTGCACTCATGAACAAATGATGTGTCAGCAAGACCTGTTTATTAACCTCAGTGAACATGGC	1502
QY	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCTCATGCTTGAATTT	1223
DB	1503	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCTCATGCTTGAATTT	1562
QY	1224	GTCTTCAACATAGCAGAACTTTTGAATCTCGGACATTTGGTGGCCAAAGTAGCTGCTGA	1283
DB	1563	GTCTTCAACATAGCAGAACTTTTGAATCTCGGACATTTGGTGGCCAAAGTAGCTGCTGA	1622
QY	1284	CAGTTTACTTATGATCAGGCGCAGGAGTTTCACTTTCATCTGACATATAGCAACAAAGAGAAAT	1343
DB	1623	CAGTTTACTTATGATCAGGCGCAGGAGTTTCACTTTCATCTGACATATAGCAACAAAGAGAAAT	1682
QY	1344	GTCTTACTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTGATGCC	1403
DB	1683	GTCTTACTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTGATGCC	1742
QY	1404	ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAGAACTTC	1463
DB	1743	ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAGAACTTC	1802
QY	1464	CTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGCAGCTGTGCA	1523
DB	1803	CTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGCAGCTGTGCA	1862
QY	1524	CATGATGAGGAATCACTATCTTCTGTGTGGTGGCTTTGGGCACTCTTGGATGACCTTG	1583
DB	1863	CATGATGAGGAATCACTATCTTCTGTGTGGTGGCTTTGGGCACTCTTGGATGACCTTG	1922
QY	1584	AAAGATATGGCTTCTAAACCGAGGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAAGGA	1643
DB	1923	AAAGATATGGCTTCTAAACCGAGGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAAGGA	1982
QY	1644	TTAGAACCAATTTGTTTCTGATGTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	1703

Db 1983 TTAGAACCAATTTCTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCAAG 2042
QY 1704 CANTATGTTAACTTTTGCACACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGTTAACTTTTGCACACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAT 2102
QY 1764 TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAAATG 1823
Db 2103 TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAAATG 2162
QY 1824 ATGTCACACCCATTTAGGCAATAAGACACTCTTTAAAGCCGCTGCTCTTGGTTACAA 1883
Db 2163 ATGTCACACCCATTTAGGCAATAAGACACTCTTTAAAGCCGCTGCTCTTGGTTACAA 2222
QY 1884 TTTTACAGTGACTTTGTAAACACACTGCTGAGGCTTCTAATCATGGCTCTTAGAAACT 1943
Db 2223 TTTTACAGTGACTTTGTAAACACACTGCTGAGGCTTCTAATCATGGCTCTTAGAAACT 2282
QY 1944 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG 2003
Db 2283 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG 2342
QY 2004 TACAGATATGCAATTCATAGCTCAATAAAGAACTGTACTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTCATAGCTCAATAAAGAACTGTACTTAGACCAAAAGCAACA 2402

RESULT 13

ID ACA66556 standard; cDNA; 2403 BP.

XX ACA66556;

XX 23-JUN-2003 (first entry)

XX cDNA encoding human PRO protein #23.

XX Human; tumour; adrenal; lung; colon; breast; prostate; rectal; cervical;
KW Liver; PRO; gene therapy; gene; ss.

XX Homo sapiens.

XX US2003036137-A1.

XX 20-FEB-2003.

XX 27-JUN-2002; 2002US-00184640.

XX 26-JUN-1998; 98US-00105413.

XX 16-SEP-1998; 98WO-US019330.

XX 07-OCT-1998; 98US-00168978.

XX 07-OCT-1998; 98WO-US021141.

XX 06-NOV-1998; 98US-00187368.

XX 01-DEC-1998; 98WO-US025108.

XX 07-DEC-1998; 98US-00202054.

XX 03-MAR-1999; 99US-00254311.

XX 08-MAR-1999; 99WO-US005028.

XX 14-MAY-1999; 99US-00311832.

XX 14-MAY-1999; 99WO-US010733.

XX 02-JUN-1999; 99WO-US012252.

XX 25-AUG-1999; 99US-00380137.

XX 25-AUG-1999; 99US-00380138.

XX 25-AUG-1999; 99US-00380139.

XX 25-AUG-1999; 99US-00380142.

XX 01-SEP-1999; 99WO-US020111.

XX 15-SEP-1999; 99WO-US021090.

XX 18-OCT-1999; 99US-00403297.

XX 12-NOV-1999; 99US-00423844.

XX 01-DEC-1999; 99WO-US028301.

XX 02-DEC-1999; 99WO-US028551.

XX 30-DEC-1999; 99WO-US031274.

XX 05-JAN-2000; 2000WO-US000219.

PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00844848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;

Fan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-342038/32.

P-PSDB; ABU80456.

Three hundred and five nucleic acids encoding secreted and transmembrane PRO polypeptides, useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors.

Claim 2; Fig 45; 708pp; English.

The invention relates to three hundred and five nucleic acids encoding PRO polypeptides (secreted and transmembrane). Methods and compositions of the present invention are useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors. The PRO polypeptides are also useful as molecular weight markers, or for chromosome identification. The PRO genes are useful as hybridisation probes, or for screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The present sequence represents a cDNA encoding a human PRO polypeptide of the invention

Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 8; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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Qy 24 TCTCGACGAGTGTGAGCAGCCTATCAGTCAACATGTCCGAGCCTCGATCCCGGCTCTC 83
Db |||
Qy 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCAACATGTCCGAGCCTCGATCCCGGCTCTC 422
Db |||
Qy 84 GGCCTCGGTGTGTCTGTCTGTCTGCTGCTCCGCGGGCCCGCGGCGAGCGAGCGCGTCCC 143
Db |||
Qy 423 GGCCTCGGTGTGTCTGTCTGTCTGCTGCTCCGCGGGCCCGCGGCGAGCGAGCGCGTCCC 482
Db |||
Qy 144 ATTGCTATCATCTGTTTACAGAGGCTTGACATCAGGAATGAGGAAGCAGATGTCCTC 203
Db |||
Qy 483 ATTGCTATCATCTGTTTACAGAGGCTTGACATCAGGAATGAGGAAGCAGATGTCCTC 542
Db |||
Qy 204 TGCCACGGGGCTGCCCTCTTTGAGGAATTTCTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db |||
Qy 543 TGCCACGGGGCTGCCCTCTTTGAGGAATTTCTCTGTGTATGGGAACATAGTATATGCTTCT 602
Db |||
Qy 264 GTATCGAGCATATGTGGGGCTGTCTTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 323
Db |||
Qy 603 GTATCGAGCATATGTGGGGCTGTCTTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 662
Db |||
Qy 324 GTACGAGTCTATAGCCTACCTGTCGAGGAATCTATTTCTCAGTAGATGCCATGTCATC 383
Db |||
Qy 663 GTACGAGTCTATAGCCTACCTGTCGAGGAATCTATTTCTCAGTAGATGCCATGTCATC 722
Db |||
Qy 384 CAGTCTCAAAATGCTTTCTAGATGTCTGCTTCTTTTCAAGTAACTAAAGGCAAAAGTAGT 443
Db |||
Qy 723 CAGTCTCAAAATGCTTTCTAGATGTCTGCTTCTTTTCAAGTAACTAAAGGCAAAAGTAGT 782
Db |||
Qy 444 ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA 503
Db |||
Qy 783 ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA 842
Db |||
Qy 504 AAGAAACACCCGAGAAAGAAATCTGGCAATAAGATGTGAAGCAGACATGCTTCTG 563
Db |||
Qy 843 AAGAAACACCCGAGAAAGAAATCTGGCAATAAGATGTGAAGCAGACATGCTTCTG 902
Db |||
Qy 564 ATTGATGGAAGCTTTAATATTGGGACGCGGATTTAATTTTACAGAAAGATTTTGTGGA 623
Db |||
Qy 903 ATTGATGGAAGCTTTAATATTGGGACGCGGATTTAATTTTACAGAAAGATTTTGTGGA 962
Db |||
Qy 624 AAGTGGCTCTAATGTTGGAAATGGACAGAGGACCAATGCTGGGCCCTTGTTCAGGCC 683
Db |||
Qy 963 AAGTGGCTCTAATGTTGGAAATGGACAGAGGACCAATGCTGGGCCCTTGTTCAGGCC 1022
Db |||
Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACTTTTACATCAGCCAAAGATGTTTG 743
Db |||
Qy 1023 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082
Db |||
Qy 744 TTTGCCATAAGGAAGTAGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAGCCTTGAAG 803
Db |||
Qy 1083 TTTGCCATAAGGAAGTAGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAGCCTTGAAG 1142
Db |||
Qy 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCCAAAGTG 863
Db |||
Qy 1143 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCCAAAGTG 1202
Db |||
Qy 864 GTGGTGATTTATTTAGATGTTGGCTTCTGTGATGACATCAGGAGCAGGCAATGTGGCC 923
Db |||
Qy 1203 GTGGTGATTTATTTAGATGTTGGCTTCTGTGATGACATCAGGAGCAGGCAATGTGGCC 1262
Db |||
Qy 924 AGAGGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 983
Db |||
Qy 1263 AGAGGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 1322
Db |||
Qy 984 GGGATGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 1043
Db |||
Qy 1323 GGGATGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 1382
Db |||
Qy 1044 TCTTACCATGCCCCAATCTGGTTGGCCACCAAAAATACGTAAGCCTCTGGTACAGAAG 1103
Db |||
Qy 1383 TCTTACCATGCCCCAATCTGGTTGGCCACCAAAAATACGTAAGCCTCTGGTACAGAAG 1442
Db |||
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RESULT 14

ACD07586

ID ACD07586 standard; cDNA; 2403 BP.

XX ACD07586;

XX AC

DT 07-AUG-2003 (first entry)

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Qy 1104 CTGTGCACTCATCAACAAATGATGTGTCAGCAACACCTGTTTATAACTCAGTGAACATTGCC 1163
Db |||
Qy 1443 CTGTGCACTCATCAACAAATGATGTGTCAGCAACACCTGTTTATAACTCAGTGAACATTGCC 1502
Db |||
Qy 1164 TTTCTAATGATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTGTAATTT 1223
Db |||
Qy 1503 TTTCTAATGATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTGTAATTT 1562
Db |||
Qy 1224 GTTTCCAACATAGCAGCAAGACTTTTGAATCTCGGACATTTGGTCCAAAGATGCTGCTGTA 1283
Db |||
Qy 1563 GTTTCCAACATAGCAGCAAGACTTTTGAATCTCGGACATTTGGTCCAAAGATGCTGCTGTA 1622
Db |||
Qy 1284 CAGTTTACTTATGATCAGCGCACGAGTTCAGTTTCACTGACTATATAGCAACCAAGAGAAT 1343
Db |||
Qy 1623 CAGTTTACTTATGATCAGCGCACGAGTTCAGTTTCACTGACTATATAGCAACCAAGAGAAT 1682
Db |||
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XX DE Novel human secreted and transmembrane protein PRO294 cDNA.
 XX DE Human; secreted and transmembrane protein; PRO; pharmaceutical;
 KW diagnostic; biosensor; bioreactor; Parkinson's disease;
 KW Alzheimer's disease; inflammation; nephritis; wound healing;
 KW nerve repair; collateral blood vessel formation; cancer;
 KW colorectal cancer; haemorrhage; rheumatoid arthritis; diabetes;
 KW cirrhosis; fibrosis; restenosis; dermal fibrotic condition; keloid;
 KW scarring; ischaemia; stroke; hypertension; heart attack; atherosclerosis;
 KW infertility; gene therapy; gene; ss.
 XX OS Homo sapiens.
 XX XX US2002197671-A1.
 XX PN 26-DEC-2002.
 XX PD 17-JUL-2001; 2001US-00907824.
 XX PF 17-SEP-1997; 97US-0059113P.
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 XX PR 10-SEP-1998; 98WO-US018824.
 XX PR 14-SEP-1998; 98WO-US019177.
 XX PR 16-SEP-1998; 98WO-US019330.
 XX PR 17-SEP-1998; 98WO-US019437.

PR 01-DEC-1998; 98WO-US025108.
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 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 16-DEC-1999; 99WO-US030911.
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 PR 11-FEB-2000; 2000WO-US003565.
 PR 22-FEB-2000; 2000WO-US004414.
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 PR 02-MAR-2000; 2000WO-US005841.
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 PR 22-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-00665350.
 XX PA (GETH) GENENTECH INC.
 XX PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kijavini IJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;
 XX WPI; 2003-370793/35.
 DR P-PSDB; ABO01813.
 XX PT New genes and secreted and transmembrane polypeptides (e.g. PRO245 or
 PT PRO35), useful for treating or diagnosing e.g. Alzheimer's disease,
 PT cancers, hemorrhage, rheumatoid arthritis, diabetes, cirrhosis, ischemia
 PT or strokes.
 XX PS Claim 2; Fig 81; 482pp; English.
 XX CC The invention describes a new isolated nucleic acid molecule comprising
 CC the full length coding sequence of the DNA deposited with the American
 CC Type Culture Collection (e.g. ATCC Deposit No. 209258), or a sequence
 CC with at least 80% identity to a DNA encoding a PRO polypeptide comprising
 CC any of 61 sequences having 164-1119 amino acids fully defined in the
 CC specification. The PRO polypeptides or polynucleotides are useful as
 CC pharmaceuticals, diagnostics, biosensors or bioreactors. These are
 CC particularly useful for detecting or treating e.g. Parkinson's disease,
 CC Alzheimer's disease, inflammation, nephritis, wound healing, nerve
 CC repair, collateral blood vessel formation, cancers (e.g. colorectal
 CC cancer), haemorrhage (or reduce risk for haemorrhage), rheumatoid
 CC arthritis, diabetes, cirrhosis of the liver, fibrosis of the lungs,
 CC restenosis, dermal fibrotic conditions (e.g. keloids or scarring),
 CC ischaemia, strokes, hypertension, heart attacks, atherosclerosis, or
 CC infertility in mammals (e.g. humans, dogs, cats, cattle, horses, sheep,
 CC pigs, goats, or rabbits) The PRO polypeptides are useful as targets for
 CC therapeutic intervention in these diseases, and diagnostic determination
 CC of the presence of these diseases. The PRO polypeptides are also useful
 CC as molecular weight markers, or for chromosome identification. The PRO
 CC genes are useful as hybridisation probes, or for screening libraries of
 CC human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
 CC therapy, particularly for replacing a defective gene. This sequence
 CC encodes a novel human secreted and transmembrane PRO polypeptide
 XX SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 8; Length 2403;
 Best Local Similarity 99.7%; Pred. No. 0;

Mon Aug 22 09:33:15 2005

XX Human secreted polypeptide PRO294-encoding cDNA, SEQ ID NO:45.
XX KW Human; PRO; secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
XX chondrocyte; proliferation; differentiation; cartilage disorder;
XX bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
XX adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
XX liver; drug screening; transgenic animal; genetic analysis;
XX antiarthritic; vulnery; gene therapy; gene; ss.
OS Homo sapiens.
XX US2003040063-A1.
XX 27-FEB-2003.
XX 26-JUN-2002; 2002US-0183006.
XX 18-SEP-1997; 97US-0059263P.
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PR 17-AUG-1998; 98US-0096897P.

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:43:48 ; Search time 5389 Seconds
(without alignments)

17898.471 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactcgggcgcagccgggt.....aactgtagtgattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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2: gb_est2:*

3: gb_est3:*

4: gb_est4:*

5: gb_est5:*

6: gb_est6:*

7: gb_est7:*

8: gb_est8:*

9: gb_est9:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2031.6	80.2	2074	3 BC018827	BC018827 Homo sapi
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4	1474.2	58.2	2570	3 AK028690	AK028690 Mus muscu
5	1376	54.3	1376	3 CR614743	CR614743 full-leng
6	1004.6	39.6	1128	5 BX375926	BX375926 BX375926
7	997	39.3	1119	5 BX421290	BX421290 BX421290
8	941.2	37.1	1050	5 BX375927	BX375927 BX375927
9	935.2	36.9	963	5 BX342574	BX342574 BX342574
10	908.6	35.9	992	5 BX439039	BX439039 BX439039
11	901.4	35.6	914	5 BX342575	BX342575 BX342575
12	868	34.3	945	5 BU165034	BU165034 AGENCOURT
13	857.4	33.8	894	5 BX347412	BX347412 BX347412
14	837.8	33.1	959	5 BX454570	BX454570 BX454570
15	837.6	33.1	889	5 BX408414	BX408414 BX408414
16	811.4	32.0	981	5 BX374471	BX374471 BX374471
17	806.6	31.8	1086	5 BX416084	BX416084 BX416084
18	801.6	31.6	813	5 BX445649	BX445649 BX445649
19	793.8	31.3	877	5 BU159461	BU159461 AGENCOURT
20	776.2	30.6	863	5 BX445648	BX445648 BX445648
21	764	30.1	945	5 BX347211	BX347211 BX347211
22	762.6	30.1	855	5 BX450424	BX450424 BX450424
23	714.2	28.2	824	5 BX367978	BX367978 BX367978
24	706.6	27.9	880	5 BX388870	BX388870 BX388870

25	693.2	27.4	844	5	BX429188	BX429188
26	691.8	27.3	764	4	BF967556	BF967556 602287419
27	688	27.2	759	4	BI667395	BI667395 603292176
28	674.8	26.6	872	4	BI116915	BI116915 602867667
29	663.4	26.2	677	7	CN410171	CN410171 170004245
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32	654.8	25.8	658	4	BI495105	BI495105 df115a12
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35	636.8	25.1	713	1	AV717153	AV717153 AV717153
36	635.2	25.1	947	5	BQ887622	BQ887622 AGENCOURT
37	630.2	24.9	1175	4	BF974702	BF974702 602245344
38	626	24.7	655	4	BG396678	BG396678 602459750
39	624	24.6	631	4	BI497013	BI497013 df130f10
40	621.6	24.5	1182	4	BM466729	BM466729 AGENCOURT
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ALIGNMENTS

RESULT 1	BC000640	2073 bp	mRNA	linear	HTC 12-OCT-2004
LOCUS	Homo sapiens cDNA clone IMAGE:3342932, containing frame-shift errors.				
DEFINITION	BC000640				
ACCESSION	BC000640				
VERSION	BC000640.2	GI:33875673			
KEYWORDS	HTC				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	1 (bases 1 to 2073)				
AUTHORS	Klausner, R.D., Collins, F.S., Wagner, L., Shemen, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.P., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toehiyuki, S., Carrinci, P., Frange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullaly, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahy, J., Helton, E., Kettner, M., Madan, A., Rodriguez, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smalls, D.E., Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.				
TITLE	Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences				
JOURNAL	Proc. Natl. Acad. Sci. U.S.A.	99 (26)			16899-16903 (2002)
PUBMED	12477932				
REFERENCE	2 (bases 1 to 2073)				
AUTHORS	Director MGC Project.				
TITLE	Direct Submission				
JOURNAL	Submitted (15-NOV-2000) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA				
REMARK	NIH-MGC Project URL: http://mgc.nci.nih.gov				
COMMENT	On Aug 19, 2003 this sequence version replaced gi:12653710. Contact: MGC help desk Email: cgabbs-r@mail.nih.gov Tissue Procurement: ATCC				

cDNA Library Preparation: Rubin Laboratory
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: National Institutes of Health Intramural
 Sequencing Center (NISC),
 Gaithersburg, Maryland;
 Web site: <http://www.nisc.nih.gov/>
 Contact: nisc.ncmh@nih.gov
 Akhtar, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,
 Blakesley, R.W., Bouffard, G.G., Breen, K., Brinkley, C., Brooks, S.,
 Dietrich, N.L., Granite, S., Guan, X., Gupta, J., Haghighi, P.,
 Hansen, N., Ho, S.-L., Karlins, E., Kwong, P., Laric, P., Legaspi, R.,
 Maduro, Q.L., Masiello, C., Maskeri, B., Mastrian, S.D., McCloskey, J.C.,
 McDowell, J., Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W.,
 Turgeon, C., Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L.,
 Young, A., Zhang, L.-H. and Green, E.D.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LNL at: <http://image.llnl.gov>
 Series: IRAL Plate: 5 Row: h Column: 1
 This clone was selected for full length sequencing because it
 passed the following selection criteria: matched mRNA gi: 4758021
 This clone has the following problem: frame shifted.

FEATURES

source

Location/Qualifiers
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ORIGIN

Query Match 80.2%; Score 2031.6; DB 3; Length 2073;
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RESULT 3
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ACCESSION
CR611655
VERSION
CR611655.1 GI:50492462
KEYWORDS
HTC; CNSLT cDNA.
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Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 2357)
AUTHORS
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE
Full-length cDNA libraries and normalization
JOURNAL
Unpublished
REMARK
Contact : Peng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue
2 (bases 1 to 2357)
REFERENCE
2 (bases 1 to 2357)
AUTHORS
Genoscope.
TITLE
Direct Submission
JOURNAL
Submitted (20-JUL-2004) Genoscope - Centre National de Sequençage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqrefgenoscope.cns.fr
- Web : www.genoscope.cns.fr)
COMMENT
1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime
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Db 2315 TGTAGTGTGTTTTCAT---AACTTGATGGCTGAAATACCACACTGAGTA--AAGGTAGGA 2369
Qy 2323 TTGCCAGGTATTTTCTATTTCTCTCTTAAATTTTATATGATATAGATATATTT 2377
Db 2370 TTGCTGTGTTATTTTCTATTTATATCTTAAATTTTATGATAGACAGCATGT 2424

RESULT 5

CR614743

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

REMARK

CR614743 1376 bp mRNA linear HTC 21-JUL-2004
full-length cDNA clone CS0DL003YL09 of B cells (Ramos cell line)
Cot 25-normalized of Homo sapiens (human).

CR614743

CR614743.1 GI:50495550

HTC; CNSLT; CDNA.

Homo sapiens (human)

Homo sapiens

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

1 (bases 1 to 1376)

Li, W. B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished

Contact : Feng Liang Email : fliang@lifetech.com URL :

http://fulllength.invitrogen.com/ Invitrogen Corporation 1600

Faraday Avenue

REFERENCE AUTHORS TITLE JOURNAL	2 (bases 1 to 1376)	Genoscope. Direct Submission Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage : BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr) - Web : www.genoscope.cns.fr) 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. Location/Qualifiers 1. .1376 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="CS0DJ003YL09" /tissue_type="B cells (Ramos cell line)" Cot 25-normalized" /plasmid="pCMVSPORT_6"
COMMENT		
FEATURES source		
ORIGIN		
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Best Local Similarity	100.0%; Pred. No. 0;	
Matches 1376; Conservative	0; Mismatches 0; Indels 0; Gaps 0;	
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QY	942 GTAATTATAGTTTCTGTGGCCAGACCTATCCCTGAAGAACTGGGGATGGTTCAAGATGC 1001	
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QY	1062 TGGTTTGGCAACAACAAATACGTAAGCCTCTGCTACAGAGCTGTCATCATGAACAA 1121	
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QY	1122 ATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATTCGCTTTCTTAATTGATGGCTC 1181	
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QY	1302 CGCAGCGAGTTTCAGTTTTCATCTGACTATAGCAACAAAGAGATGCTTCTGATCTCATCAGA 1361	
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http://www.genoscope.cns.fr/cdna?s=CS0DC020AC10NP1&c=7444.f.

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FEATURES
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/mol_type="mRNA"
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/notes="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pcMVSPORT 6 vector. Library was normalized."

ORIGIN
Query Match          39.6%; Score 1004.6; DB 5; Length 1128;
Best Local Similarity 94.9%; Pred. No. 7.2e-250;
Matches 1035; Conservative 12; Mismatches 38; Indels 6; Gaps 1;

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QY 1001 CACATTTGTGACAGCTGTCTGTGCGAATAATAGCTTCTTCTTACACATGCCCAA 1060
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QY 1061 CTGGTTGGCACCACAAAATACCTTAAGCCTCTGTTACAGAACTGTGCACTCATGACA 1120
DB 971 CTGGTTGGCACCACAAAATACGTTAAGCCTCTGGTACAGAACTGTGCAAGTTCATGAACA 912
QY 1121 AATGATGTGACGCAAGACCTGTTATTAATCACTCAGTGAACATTCGCTTCTTAATTGATGGCTC 1180
DB 911 AATGATGTGACGCAAGACCTGTTATTAATCACTCAGTGAACATTCGCTTCTTAATTGATGGCTC 852
QY 1181 CAGCAGTTGGAGATAGCAATTTCCGCTCTAGCTTGAATTTGTTTCCAAATAGCCAA 1240
DB 851 CAGCAGTTGGAGATAGCAATTTCCGCTCTAGCTTGAATTTGTTTCCAAATAGCCAA 792
QY 1241 GACTTTTGAATCTCGACATCTGTCAGATAGCTGCTGTACAGTTACTTATCATCA 1300
DB 791 GACTTTTGAATCTCGACATCTGTCAGATAGCTGCTGTACAGTTACTTATCATCA 732
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DB 731 GCGCAGGAGTTCAGTTTCACTAGCTATAGCAACAAAGAAATGCTAGCTCTCATCAG 672
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DB 671 AAACATCCGCTATATAGTGGTGAACAGCTACTGTTGATGCCATTTCTTCACTGTTAG 612
QY 1421 AATGTTGTTGGCCCTATAGGAGAGGCCCCCAACAGAACTTCTTAGTAATGTCACAGA 1480
DB 611 AATGTTGTTGGCCCTATAGGAGAGGCCCCCAACAGAACTTCTTAGTAATGTCACAGA 552
QY 1481 TGGCAGTCTCTATGATGATGTCACAGGCCCTGCGAGCTGCTGCAATGATGCGAATCAC 1540
DB 551 TGGCAGTCTCTATGATGATGTCACAGGCCCTGCGAGCTGCTGCAATGATGCGAATCAC 492
QY 1541 TATCTTCTCTGTTGGTGGCTTGGGCACTCTGATGACCTGAAGATATGCTTCTAA 1600
DB 491 TATCTTCTCTGTTGGTGGCTTGGGCACTCTGATGACCTGAAGATATGCTTCTAA 432
QY 1601 ACCGAGGAGTCTCATGCTTCTTCTCAAGAGAGTTTCACAGGATTAAGCAATTTCTTC 1660
DB 431 ACCGAGGAGTCTCATGCTTCTTCTCAAGAGAGTTTCACAGGATTAAGCAATTTCTTC 372
QY 1661 TGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAGCAATATGTTAACTTT 1720
DB 371 TGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAGCAATATGTTAACTTT 312
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DB 311 TGCACACTGAAGAAAGTACAGGGGATCCAGTGTGTAAATTTGTAATTTCTCATAATACT 252
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DB 251 GAAATGCTTTAGCATACTAGATACAGATACAAATCTATTAAAGTATGTCAACAGCCATTTA 192
QY 1841 GGCAAATAAGCACTCTTTTAAAGCCGCTGCTTCTGTTTACAAATTTACAGTGTACTTTGT 1900
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QY 1901 TAAACACATGCTGAGGCTTCATATCATGGCTCTTAGAACTCAGAGAAAGAGAGATAA 1960
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BX421290 Homo sapiens (human) 1119 bp mRNA linear EST 01-MAY-2004
BX421290 Homo sapiens B CELLS (RAMOS CELL LINE) Homo sapiens cDNA
clone CS0DG004Y115 3-PRIME, mRNA sequence.
ACCESSION BX421290
VERSION BX421290.2 GI:46923331
SOURCE EST.
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
JOURNAL
COMMENT On May 13, 2003 this sequence version replaced gi:30634708.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoRV sites of the pcMVSPORT 6 vector. Library
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
This sequence belongs to sequence cluster 7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?s=CS0DG004AE08NP1&c=7444.f.
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FEATURES

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/tissue_type="B CELLS (RAMOS CELL LINE)"
/clone_lib="RAMOS CELL LINE"
/notes="Vector: pcMVSPORT 6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pcMVSPORT 6 vector.
Library was not normalized."
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ORIGIN

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Query Match          39.3%; Score 997; DB 5; Length 1119;
Best Local Similarity 98.0%; Pred. NO. 6.9e-248;
Matches 1019; Conservative 9; Mismatches 10; Indels 2; Gaps 2;

QY 1003 CATTTGTTGACAAAGGCTGTCTGCGAATAATAGGCTTCTTCTTACCACATGCCCAACT 1062
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Db 1042 CACATTTTGTGACARGCTGTGTGCGAATAATKGC-TCTTCTCTTACCACATGCCCAACT 984
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Db 983 GG-TTGKACCAACAAATAGTAAGACCTCTGTGACAGAGCTGTGCTACTCATGAACAAA 925
Qy 1123 TGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATTTGCTTTTCTTAATGTGGCTCCA 1182
Db 924 TGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATTTGCTTTTCTTAATGTGGCTCCA 865
Qy 1183 GCAGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTTGTTTCCACATAGCAAGA 1242
Db 864 GCAGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTTGTTTCCACATAGCAAGA 805
Qy 1243 CTTTGTGAATCTCGACATTTGTCGAAGATAGCTGCTGTACAGATTTTACTTATGATCAGC 1302
Db 804 CTTTGTGAATCTCGACATTTGTCGAAGATAGCTGCTGTACAGATTTTACTTATGATCAGC 745
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Qy 1963 TGGATTAACCTTTAAGAGTTCTTAACCATGCTTAATGATACAGATATGCAATTTCCA 2022
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Qy 2023 TAGCTCAATAAAGAACTCTG 2042
Db 24 TAGCTCAATAAANWAACTCTG 5
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BX375927
LOCUS
DEFINITION
BX375927 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens
CDNA clone CS0DC020YE19 5-PRIME, mRNA sequence.
ACCESSION
BX375927
VERSION
BX375927.2 GI:46571415
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1050)
Li.W.B., Gruber.C., Jessee.J. and Polayes.D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 8, 2003 this sequence version replaced gi:30446480.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?c=CS0DC020AC10QPI&c=7444.f.
Location/Qualifiers
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DC020YE19"
/tissue_type="NEUROBLASTOMA COT 25-NORMALIZED"
/clone_lib="Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(dT)
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digested with Not I and EcoR V sites of the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
Query Match 37.1%; Score 941.2; DB 5; Length 1050;
Best Local Similarity 94.9%; Pred. No. 2.3e-233;
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RESULT 9
BX342574/c
LOCUS
DEFINITION
BX342574 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
Homo sapiens cDNA clone CS0DL003YL09 3-PRIME, mRNA sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
EST.
Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 963)
Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 2, 2003 this sequence version replaced gi:30342099.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Creteil, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and EcoR V
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f

For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?8=CS0DL003CP05NP1&c=7444.f.

FEATURES
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Query Match 36.9%; Score 935.2; DB 5; Length 963;
Best Local Similarity 97.0%; Pred. No. 8.1e-232;
Matches 932; Conservative 17; Mismatches 12; Indels 0; Gaps 0;

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Db 601 TTAGAAATGTTTGGCCCTATAAGGGAGAGGCCCAACAGAACTTCTTAGTAAATTTGTC 542
Qy 1477 CAGATGGCAGCTCTATGATGATGTCACAGGCGCTGCGAGCTGTGCACATGATGCAAGAA 1536
Db 541 CAGATGGCAGCTCTATGATGATGTCACAGGCGCTGCGAGCTGTGCACATGATGCAAGAA 482
Qy 1537 TCATATCTTCTGTTGTTGGCTTGGGCACCTCTGATGATGACCTGAAAGATATGCTT 1596
Db 481 TCATATCTTCTGTTGTTGGCTTGGGCACCTCTGATGATGACCTGAAAGATATGCTT 422
Qy 1597 CTAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGATTAGAACCAATTTG 1656
Db 421 CTAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGATTAGAACCAATTTG 362
Qy 1657 TTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAGCAGCAATATGTTAAC 1716
Db 361 TTTCTGATGTCATCAGAGGSRITTTGTAGAGATSTCMHAGAAATCCAGCAATATGTTAAC 302
Qy 1717 ATTTTGACAACCTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAATTTGTTTCTCATAA 1776
Db 301 ATTTTGACAACCTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAATTTGTTTCTCATAA 242
Qy 1777 TACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAAAGTATGTCAACAGCCA 1836
Db 241 TACTGAAATGCTTTAGCAKACTAGAAATCAGAAASAAAATATTAAAGTATGTCAACAGCCA 182

QY 1837 TTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTGGTTACATTTACAGTGTACT 1896
Db 181 TTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTGGTTACATTTACAGTGTACT 122
QY 1897 TTGCTTAAAAACACTGCTGAGGCTTCAATAATCATGGCTCTTAGAAAACCTCAGGAAAGAGGAG 1956
Db 121 KTGTGAAAAACACTGCTGAGGCKTSATAATCATGGCTCTTAGAAAACCTCAGGAAAGAGGAG 62
QY 1957 ATAATGTGGATTAAAAACCTTAAAGAGTTCTAACCATGCTACTATAAATGTACAGATATGCAA 2016
Db 61 ATAATGTGGATTAAATCTTAAAGAGTTCTAACCATGCTACTACKAAATGTACAGATATGCGA 2
QY 2017 A 2017
Db 1 A 1

RESULT 10
LOCUS BX439039 992 bp mRNA linear EST 04-MAY-2004
DEFINITION BX439039 Homo sapiens PLACENTA Homo sapiens cDNA clone CS0DE005YB14
5-PRIME, mRNA sequence.
ACCESSION BX439039
VERSION BX439039.2 GI:47008894
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 992)
Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 15, 2003 this sequence version replaced gi:30781725.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
This sequence belongs to sequence cluster 7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?s=CS0DE005DA070P1&c=7444.f.
FEATURES
source
1..992
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DE005YB14"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/notes="Vector: pCMVSPORT 6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

ORIGIN

Query Match 35.9%; Score 908.6; DB 5; Length 992;
Best Local Similarity 94.2%; Pred. No. 6.9e-225;
Matches 928; Conservative 30; Mismatches 25; Indels 2; Gaps 2;
QY 24 TCTCGACAGGTGTGACGACCTATCAGTCACCATGTCGCGACGCTGGATCCCGGCTCTC 83
Db 1 TCTCGACAGGTGTGACGACCTATCAGTCACCATGTCGCGACGCTGGATCCCGGCTCTC 60
QY 84 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGGCCCGCGGCGACGAGGAGCGGTCCC 143
Db 61 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGGCCCGCGGCGACGAGGAGCGGTCCC 120

QY 144 ATTGCTATCACATGTTTACAGAGGCTTGGACATCAGGAAAGAGAGACAGATGCTCTC 203
Db 121 ATTGCTATCACATGTTTACAGAGGCTTGGACATCAGGAAAGAGAGAGACAGATGCTCTC 180
QY 204 TGCCCAAGGGGGCTGCCCTCTTTCAGGAAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 263
Db 181 TGCCCAAGGGGGCTGCCCTCTTTCAGGAAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 240
QY 264 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAATCAGCAACTCAGGGGAGACT 323
Db 241 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAATCAGCAACTCAGGGGAGACT 300
QY 324 GTACAGTCTATAGCTTACCTGGTTCGAGAAACTATTCTTCAGTAGATGCCAATGGCATC 383
Db 301 GTACAGTCTATAGCTTACCTGGTTCGAGAAACTATTCTTCAGTAGATGCCAATGGCATC 360
QY 384 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCTAAAGGCCAAAAGTAGT 443
Db 361 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCTAAAGGCCAAAAGTAGT 420
QY 444 ACACAGGAGGCCACAGGACCAAGCAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA 503
Db 421 ACACAGGAGGCCACAGGACCAAGCAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA 480
QY 504 AAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTCGATTCATTTCTG 563
Db 481 AAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTCGATTCATTTCTG 540
QY 564 ATTGATGGAAGCTTTAAATATTGGGAGCGCCGATTTAAATTTACAGAAGAAATTTGTTGA 623
Db 541 ATTGATGGAAGCTTTAAATATTGGGAGCGGCG-CAATTTAATTTACAGAGAAATTTGTTGA 599
QY 624 AAGTGGCTCTAATGCTGGGAATTGGAAACAGAGAACCAATGTGGGCTTGTTCGAAGCC 683
Db 600 AAGTGGCTCTAATGCTGGGAATTGGAAACAGAGAACCAATGTGGGCTTGTTCGAAGCC 659
QY 684 AGTGAACATCCCAAAATAGAAATTTACTTTGAAATTTTACATCAGCCAAAGATGTTTGG 743
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QY 744 TTTGGCAATAAAGGAATAGTGTTCAGAGGGGGTAAATCCAAATACAGGAAAGCCCTTGAAG 803
Db 720 TTTGGCAATAAAGGAATAGTGTTCAGAGGGGGTAAATCCAAATACAGGAAAGCCCTTGAAG 779
QY 804 CATATGCTCAGAAATCTTTCACGGTAGATGCTGAGTAAGAAAAGGAGATCCCAAGGTG 863
Db 780 CATATGCTCAGAAATCTTTCACGGTAGATGCTGAGTAAGAAAAGGATCCCAAGGTG 839
QY 864 GTGGTGTATTTATGATGGTGGCTTCTGATGACATCG-AGGAAGCAGGCAATTTGGCG 922
Db 840 GTGGTGTATTTATGATGGTGGCTTCTGATGACATCGAAGGAAGMGCGATTTGTGGG 899
QY 923 CAGAGATTTGGTGTCAATGATTTATATAGTTTCTGTGGCCAAAGCCCTATCCCTGAAGAACT 982
Db 900 CAGAGATTTGGTGTCAATGATTTATTTWAGTTTCTGTGGCCAAAGCCCTATCCCTGAAGAACT 959
QY 983 GGGGATGTTTCAGGATGTCACATTT 1007
Db 960 GGGGATGTTTCAGGATGTCACATTT 984

RESULT 11
BX342575
LOCUS BX342575 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
DEFINITION BX342575 Homo sapiens cDNA clone CS0DL003YL09 5-PRIME, mRNA sequence.
ACCESSION BX342575
VERSION BX342575.2 GI:46280472
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 914)
Li, W.B., Gruber, C., Jesses, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 2, 2003 this sequence version replaced gi:30344078.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?sc=SD0L003CF05QP1&c=7444.f.

FEATURES

source
Location/Qualifiers
1..914
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DLO03YI09"
/cell_type="B CELLS (RAMOS CELL LINE)"
/clone_lib="RAMOS CELL LINE"
/clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and EcoR V sites of the pCMVSPORT 6
vector. Library was normalized."

ORIGIN

Query Match 35.6%; Score 901.4; DB 5; Length 914;
Best Local Similarity 99.8%; Pred. No. 5e-223;
Matches 913; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 642 GGAATTGGAACAGAGGACACATGTGGGCTTGTTCACGCCAGTGAAATCCCAAAATA 701
DB 1 GGAATTGGAACAGAGGACACATGTGGGCTTGTTCACGCCAGTGAAATCCCAAAATA 60
QY 702 GAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTA 761
DB 61 GAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTA 120
QY 762 GGTTCAGAGGGGTAAATTCATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATTC 821
DB 121 GGTTCAGAGGGGTAAATTCATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATTC 180
QY 822 TTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTGTGGTGGTATTATTGAT 881
DB 181 TTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTGTGGTGGTATTATTGAT 240
QY 882 GGTGGGCTTCTGATGACATCGAGGAGCAGGCAATGTGGCCAGAGAGTTTGTGTCAAT 941
DB 241 GGTGGGCTTCTGATGACATCGAGGAGCAGGCAATGTGGCCAGAGAGTTTGTGTCAAT 300
QY 942 GTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTGGGGATGTTCAAGGATGC 1001
DB 301 GTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTGGGGATGTTCAAGGATGC 360
QY 1002 ACATTTGTTTCAGAGGCTGCTCGGAATAATGGCTTCTTCTTACCATGCCCAAC 1061
DB 361 ACATTTGTTTCAGAGGCTGCTCGGAATAATGGCTTCTTCTTACCATGCCCAAC 420
QY 1062 TGGTTTGGCCACCAAAATACGTAAGCCCTCTGTGTACAGAGCTGTGCACTCATGAACAA 1121
DB 421 TGGTTTGGCCACCAAAATACGTAAGCCCTCTGTGTACAGAGCTGTGCACTCATGAACAA 480
QY 1122 ATGATGTGACGACAGACCTGTTAATCTAGTGAACATTCGCCCTTTCTAATTGATGCTCC 1181
DB 481 ATGATGTGACGACAGACCTGTTAATCTAGTGAACATTCGCCCTTTCTAATTGATGCTCC 540

QY 1182 AGCAGTGTGGAGATAGCAATTTCCGCCTCATCTTGAATTTGTTTCCAAATAGCCAAG 1241
DB 541 AGCAGTGTGGAGATAGCAATTTCCGCCTCATCTTGAATTTGTTTCCAAATAGCCAAG 600
QY 1242 ACTTTTGAATCTCGGACATTTGGTGCAGATAGCTGCTGTACAGTTTACTTATGATCAG 1301
DB 601 ACTTTTGAATCTCGGACATTTGGTGCAGATAGCTGCTGTACAGTTTACTTATGATCAG 660
QY 1302 CGCACCGAGTTCAGTTTCTACTGACTATAGCACCACAAAGAGAAATGCTAGCTGTCATCAGA 1361
DB 661 CGCACCGAGTTCAGTTTCTACTGACTATAGCACCACAAAGAGAAATGCTAGCTGTCATCAGA 720
QY 1362 AACATCCGCTATATGAGTGTGGAAACAGCTACTGTGTGATGCCATTTCCCTTCACTGTTAGA 1421
DB 721 AACATCCGCTATATGAGTGTGGAAACAGCTACTGTGTGATGCCATTTCCCTTCACTGTTAGA 780
QY 1422 AATGTTTTGGCCCTATATAGGAGAGCCCAACAGAACTTCTAGTAAATGTCACAGAT 1481
DB 781 AATGTTTTGGCCCTATATAGGAGAGCCCAACAGAACTTCTAGTAAATGTCACAGAT 840
QY 1482 GGGCAGTCTCTATGATGATGTCACAGGCCCTGCGAGCTGCTGCACATGATGACGAAATCACT 1541
DB 841 GGGCAGTCTCTATGATGATGTC--AGGCCCTGCGAGCTGCTGCACATGATGACGAAATCACT 899
QY 1542 ATCTTCTCTGTTGGT 1556
DB 900 ATCTTCTCTGTTGGT 914

RESULT 12
BUI65034
LOCUS
DEFINITION
5', mRNA sequence.
ACCESSION
BUI65034
VERSION
BUI65034.1
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 945)
AUTHORS
NIH-MGC http://mgc.nci.nih.gov/
TITLE
National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL
Unpublished (1999)
COMMENT
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM13460 row: h column: 18
High quality sequence stop: 710.
Location/Qualifiers
1..945
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6140993"
/tissue_type="retinoblastoma"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 67"
/note="Organ: eye; Vector: pCMV-SPORT6; Site 1: NotI;
Site 2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.75 kb. Library constructed by Life
Technologies."

FEATURES
source
Location/Qualifiers
1..945
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6140993"
/tissue_type="retinoblastoma"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 67"
/note="Organ: eye; Vector: pCMV-SPORT6; Site 1: NotI;
Site 2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.75 kb. Library constructed by Life
Technologies."

ORIGIN
Query Match 34.3%; Score 868; DB 5; Length 945;

Best Local Similarity 96.8%; Pred. No. 2.5e-214; Matches 915; Conservative 0; Mismatches 25; Indels 5; Gaps 3;	
Qy	634 TAATGTTGGCAATTGGAACAGAGGACCAACATGTGGCCCTTGTTCAGGCAGGTGAACATC 693
Db	1 TAATGTTGGCAATTGGAACAGAGGACCAACATGTGGCCCTTGTTCAGGCAGGTGAACATC 60
Qy	694 CCAAAATAGAAATTTTACTTGGAAAACCTTTATCATCAGCCAAAGATGTTTTGTTGGCCATAA 753
Db	61 CCAAAATAGAAATTTTACTTGGAAAACCTTTATCATCAGCCAAAGATGTTTTGTTGGCCATAA 120
Qy	754 AGGAAGTAGGTTTCAGAGGGGGTAATTCCTAATACAGGAAGAGCTTCGAACATACCTGCTC 813
Db	121 AGGAAGTAGGTTTCAGAGGGGGTAATTCCTAATACAGGAAGAGCTTCGAACATACCTGCTC 180
Qy	814 AGAAATTCCTTCACGGTAGATGCTGGAGTAGAAGAAAGGATCCCCAAAGTGGTGGTGAT 873
Db	181 AGAAATTCCTTCACGGTAGATGCTGGAGTAGAAGAAAGGATCCCCAAAGTGGTGGTGAT 240
Qy	874 TTATTGATGGTTGGCCCTTCTGATGACATCAGAGNAGCAGGCATTTGTGGCCAGAGAGTTTG 933
Db	241 TTATTGATGGTTGGCCCTTCTGATGACATCAGAGNAGCAGGCATTTGTGGCCAGAGAGTTTG 300
Qy	934 GTGTCAATGTATTTATATGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTGGGGATGGTTC 993
Db	301 GTGTCAATGTATTTATATGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTGGGGATGGTTC 360
Qy	994 AGGATGTCACATTTGTTGACAAAGCTGTCTGTTCGGAATATAGGCTTCTTCTTTTACACA 1053
Db	361 AGGATGTCACATTTGTTGACAAAGCTGTCTGTTCGGAATATAGGCTTCTTCTTTTACACA 420
Qy	1054 TGCCCAACTGTTTGGCACCACAAAATACGTAAGAGCCTCTGGTACAGAACTGTGCACTC 1113
Db	421 TGCCCAACTGTTTGGCACCACAAAATACGTAAGAGCCTCTGGTACAGAACTGTGCACTC 480
Qy	1114 ATGAACAAATGATGTGACGCAAGACCTGTTATAACTCAGTGAACATTTGCCCTTCTAAATG 1173
Db	481 ATGAACAAATGATGTGACGCAAGACCTGTTATAACTCAGTGAACATTTGCCCTTCTAAATG 540
Qy	1174 ATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCAAACA 1233
Db	541 ATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCAAACA 600
Qy	1234 TAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCTCAAGATAGCTGTGTACAGTTTACTT 1293
Db	601 TAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCTCAAGATAGCTGTGTACAGTTTACTT 660
Qy	1294 ATGATCAGCGCACGGAGTTCAGTTTCTACTGACTATAGCACCAAGAGAAATGCTCTAGCTG 1353
Db	661 ATGATCAGCGCACGGAGTTCAGTTTCTACTGACTATAGCACCAAGAGAAATGCTCTAGCTG 720
Qy	1354 TCATCAGAAACATCCGCTATATGATGTTGGTGGAAACAGCTACTGTGTATGCCATTTCTTCA 1413
Db	721 TCATCAGAAACATCCGCTATATGATGTTGGTGGAAACAGCTACTGTGTATGCCATTTCTTCA 780
Qy	1414 CTGTTAGAAA---TGTTGTTGGCCCTATATAGGGAGAGCCGCCAACAGAACTTCTTAGTAA 1470
Db	781 CTGTTANAAAATGTGTTTGGCCCTATAAANGGGAGAGCCGCCAACAGAACTTCTTAGTAA 840
Qy	1471 TTGTGCACAGATGGGCAG--TCTATGATGATGTCTCAAGGCCCTGCAGCTGTGTGACATGAT 1529
Db	841 TTGTGCACAGATGGGCAGNCCATATGATGATGTCTCAAGNCCCTGCAGCTGTGTGACATGAT 900
Qy	1530 GCAGGAATCACTATCTTCTCTGTGTT--GGTGGCTTGGGCACCTCT 1573
Db	901 GCAGGATCACTATCTTCTCCGGTTGGGGGGGCTTGGGCACCTCT 945
RESULT 13	
BX347412	
LOCUS	
DEFINITION	
BX347412 Homo sapiens B cells (RAMOS CELL LINE) COT 25-NORMALIZED	
Homo sapiens cDNA clone CSD0J002TH04 5-PRIME, mRNA sequence.	

910 CAGCATTTGGCCGAGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTA 969
|||||
Db CAGGCATTGTGGCCGAGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTA 479
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970 TCCTCTGAAGAACTGGGGATGGTTGACAGATCTCACTTTGTTGACAGGCTGTCTGTGGGA 1029
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Db TCCTCTGAAGAACTGGGGATGGTTGACAGATCTCACTTTGTTGACAGGCTGTCTGTGGGA 539
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1030 ATAATGCTTCTTCTTACCAATGCCCACTGGTTTGGCCACACAAAATAGCTAAAGC 1089
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Db ATAATGCTTCTTCTTACCAATGCCCACTGGTTTGGCCACACAAAATAGCTAAAGC 599
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1090 CTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATAACT 1149
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Db CTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATAACT 659
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1150 CAGTGACATGCTTCTTCAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCC 1209
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1210 TCATGCTTGAATTTGTTCCAAATAGCCCAAGACTTTTGAATCTCGGACATTTGGTGCCA 1269
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Db TCATGCTTGAATTTGTTCCAAATAGCCCAAGACTTTTGAATCTCGGACATTTGGTGCCA 779
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1270 AGATAGCTGCTGACAGTTTACTTATATGATCAGCGCAGGAGTTTCAGTTTCACCTGACTATA 1329
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1330 GCACCAAGAGATGCTTACCTGCTCATCAGAACATCCGCTATATAGTGGTGGAA 1386
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Db GCACCAAGAG-ATGTCNTAGTGTCTATCAG-AACATCCGCTATATAGTGGTGGAA 894
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RESULT 14
BX445470/c
LOCUS
DEFINITION BX445470 Homo sapiens NEUROBLASTOMA Homo sapiens cDNA clone
ACCESSION CS0DA001YB12 3-PRIME, mRNA sequence.
VERSION BX445470
KEYWORDS BX445470.2 GI:47021149
SOURCE EST.
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
AUTHORS 1 (bases 1 to 959)
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On May 15, 2003 this sequence version replaced gi:30788340.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
This sequence belongs to sequence cluster 7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?8=CS1DA001ZB09NP1&c=7444.f.

FEATURES
source
1..959
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DA001YB12"
/tissue_type="NEUROBLASTOMA"
/clone_lib="Homo sapiens NEUROBLASTOMA"
/note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into

the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

ORIGIN
Query Match 33.1%; Score 837.8; DB 5; Length 959;
Best Local Similarity 90.0%; Pred. No. 1.9e-206;
Matches 858; Conservative 36; Mismatches 57; Indels 2; Gaps 1;
QY 1066 TTGGCACCACAAATAACGTAAAGCCTCTGTGACAGAGCTGTGCTCATGTAAACAATGA 1125
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Db 951 TTGSCCCACAAACCCGTAAAGC--CTTGGACAGAGSTGGGAATCTCAGAACAAATGA 894
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QY 1126 TTGTCAGCAGACCTCTTATAACTCTAGTGAACATTCGCCCTTTTAAATGTATGGCTCCAGCA 1185
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Db 893 TGGGCGGCAAGCCCTGTATTAACCTCRGTGAACATTCGCCCTTTCTAAATGATGGCCCAAGCA 834
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QY 1186 GTGTTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCACATAGCCCAAGCTT 1245
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Db 833 GTGTGGGATATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCMAATAGCCCAABACTT 774
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QY 1246 TTGAAATCTCGGACATTTGGTGCCAGATAGCTGCTGACAGATTTTACTTATGATCAGGCCA 1305
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Db 773 TTGAAATCTCGAACATTTGGTGCCAAATATAGCTGCTGACAGTTTACTTATGATCGGGCCA 714
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QY 1306 CGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAAATGTCTGAGTGTGCTCATCAGAAACA 1365
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Db 713 CGGAGTTTCAGTTTCACTGACTATAGCACMAAAGAGAAATGTCTGCTGCTCCTGCTGCTGCT 654
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QY 1366 TCCGCTATATAGTGTGGAAACAGCTACTGCTGATGCCATTTCTTCACTGTTAGAAATG 1425
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Db 653 TCCGCTATATAGTGTGGTGGYACAGCTACTGCTGATGCCATTTCTTCACTGTTAGAAATG 594
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QY 1426 TGTTCGGCCCTATAAGGGAGAGCCCCCAACAAGAACTTCTCTAGTAAATTTGTACAGATGGGC 1485
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Db 593 TGTTCGGCCCTATAAGGGAGAGCCCCCAACAAGAACTTCTCTAGTAAATTTGTACAGATGGGC 534
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QY 1486 AGTCTTATCATGATGTCCTTCTTCAAGAGAGTTTCAAGAGATTTAGAACCAATTTGTTCTGATG 1545
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Db 533 AGTCTTATCATGATGTCCTTCTTCAAGAGAGTTTCAAGAGATTTAGAACCAATTTGTTCTG 474
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QY 1546 TCTCTGTTGGTGTGGCTTGGGCACCTCTGATGACCTGAAAGATATGGCTTCTTAAACCGA 1605
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Db 473 TTTCTGTTGGTGTGGCTTGGGCACCTCTGATGACCTGAAAGATTTTGGCTTCTTAAACCGA 414
|||
QY 1606 AGGAGTCTCATGCTTCTTCTTCAAGAGAGTTTCAAGAGATTTAGAACCAATTTGTTCTGATG 1665
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Db 413 RGAATTTTCTGCTTCTTCTTCAAGAGAGTTTCAAGAGATTTAGAACCAATTTGTTCTGATG 354
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RESULT 15
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 DEFINITION BX408414 Homo sapiens PLACENTA Homo sapiens cDNA clone CS0DE005YB14
 3-PRIME, mRNA sequence.
 ACCESSION BX408414
 VERSION BX408414.2 GI:46952823
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 889)
 AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished (2001)
 COMMENT On May 15, 2003 this sequence version replaced gi:30762872.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
 was not normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.
 This sequence belongs to sequence cluster 7444.f
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?s=CS0AU0052R07_U0437_1&c=7444.f.

FEATURES
 Location/Qualifiers
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 /tissue_type="PLACENTA"
 /clone_lib="Homo sapiens PLACENTA"
 /note="Vector: pCMVSPORT 6; 1st strand cDNA was primed
 with a NotI-oligo(dT) primer. Five prime end enriched,
 double-strand cDNA was digested with Not I and cloned into
 the Not I and EcoRV sites of the pCMVSPORT 6 vector.
 Library was not normalized."

ORIGIN

Query Match 33.1%; Score 837.6; DB 5; Length 889;
 Best Local Similarity 97.9%; Pred. No. 2e-206;
 Matches 868; Conservative 0; Mismatches 17; Indels 2; Gaps 2;
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 DB 889 ATCTCGGNACTTGGTGCCAGATAGCTGCTGTACAGTTTACTATGATTCAGCGCAGNAG 830
 QY 1311 TTCAGTTTCTACTGACTATAGCACCAGAGAGATGTCTAGCTGTCTATCAGAAACATCCGC 1370
 DB 829 TTCAGTTTCTACTGACTATAGCACCAGAGAGATGTCTAGCTGTCTATCAGAAACATCCGC 770
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Search completed: August 21, 2005, 20:26:54
 Job time : 5399 secs

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QY	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTCTTAGATGGTCTGCTTCTTCA	420	Db	1441	GGGAGAGCCCCAAACAGAACTTCTAGTAATGTGCAGATGGCAGTCCCTATCATGATG	1500
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QY	421	CAGTAACAAAGGCAAAAGTAGTACACAGAGGCCACAGAACAGCAGTGTCCACAGCAC	480	Db	1501	TCCAAAGGCCCTGCAGCTGCTGCACATGATGCAGGAATCACTATCTTCTGTGGTGTGG	1560
Db	421	CAGTAACAAAGGCAAAAGTAGTACACAGAGGCCACAGAACAGCAGTGTCCACAGCAC	480	QY	1561	CTTGGGCACTCTGTGATGACCTGAAAGATATGGCTTCTAAACCCAGAGGCTCATGCTT	1620
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RESULT 2

US-09-949-016-581
; Sequence 581, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C6001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 581
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-581

Query Match 100.0%; Score 2534; DB 4; Length 2534;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db |||||||

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1741 ACAAGGGATCCAGTGTGTAATGTTATCTCAATACTGAAATGTTTAGCATACTAG 1800
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1861 AAGCGCTGCTCTGTTTCAATTTACAGTGTACTTTGTTAAACACCTGCTGAGGCTT 1920
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RESULT 3
US-09-949-016-2974
; Sequence 2974, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2974
LENGTH: 2534
TYPE: DNA
ORGANISM: Human
US-09-949-016-2974

Query Match 100.0%; Score 2534; DB 4; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 TAATCAGCACTCAGGGGAGCCTGTACGAGTCTATAGCTACCTGGTCGAGAAACTATT 360
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Db 361 CTTCAAGTATGTCATGTCATCCAGTCTCAAAATGCTTTCTAGATGTTCTCTTTTCA 420
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Db 421 CAGTAACTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGACAGCTGTCCACAGCAC 480
QY 481 ATCCACCAACAGGTAAACGACTTAAAGAAACACCCGAGAGAAACTGGCAATAAAGATT 540
Db 481 ATCCACCAACAGGTAAACGACTTAAAGAAACACCCGAGAGAAACTGGCAATAAAGATT 540
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Db 541 GTAAAGCAGACATTTGCTTTCTGATTTGATGGAAGCTTTAATTTGGGCGAGCCCATTTA 600
QY 601 ATTTACAGAGAAATTTTGTGGAAAGTGGCTCTAATTTGGGAATTTGGAACAGAGGAC 660
Db 601 ATTTACAGAGAAATTTTGTGGAAAGTGGCTCTAATTTGGGAATTTGGAACAGAGGAC 660
QY 661 CACATGTGGGCTTTGTTCAAGCAGTGAAACATCCCAAAATAGAAATTTTCTTGAATAACT 720
Db 661 CACATGTGGGCTTTGTTCAAGCAGTGAAACATCCCAAAATAGAAATTTTCTTGAATAACT 720
QY 721 TTACATCAGCCAAAGATGTTTGTGTTGCCATAAGGAGTAGGTTTTCAGAGGGGGTAATT 780
Db 721 TTACATCAGCCAAAGATGTTTGTGTTGCCATAAGGAGTAGGTTTTCAGAGGGGGTAATT 780

Qy	2101	AAATGAAAAGAAACTTTAAATGAACACAGCTCTTTAAACATGGTTTCAGGTACACATATTT	2160
Db	2101	AAATGAAAAGAAACTTTAAATGAACACAGCTCTTTAAACATGGTTTCAGGTACACATATTT	2160
Qy	2161	TGACCCCAAGTGGATATTTTCTTAAACCACAAATCAATAATAGCTAGCTATTACTTGCAGACTA	2220
Db	2161	TGACCCCAAGTGGATATTTTCTTAAACCACAAATCAATAATAGCTAGCTATTACTTGCAGACTA	2220
Qy	2221	TAAATCTGGATATAGAAGGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Db	2221	TAAATCTGGATATAGAAGGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Qy	2281	CAACTTATGACTAAAAATATCACACTGAATAAGGAGCAGGATGCCAGGTATTTTCTA	2340
Db	2281	CAACTTATGACTAAAAATATCACACTGAATAAGGAGCAGGATGCCAGGTATTTTCTA	2340
Qy	2341	TTTCTCTCCTTAATTTTATATGTATATAGATATATTTGCGCTTATATCTCAAGTCACCTAA	2400
Db	2341	TTTCTCTCCTTAATTTTATATGTATATAGATATATTTGCGCTTATATCTCAAGTCACCTAA	2400
Qy	2401	GTACTTAAAAAGTTAAGTTGGTAAAGTATTTACTGACTCTTATAAACAATTTAAAGACAAA	2460
Db	2401	GTACTTAAAAAGTTAAGTTGGTAAAGTATTTACTGACTCTTATAAACAATTTAAAGACAAA	2460
Qy	2461	GACATTTTCAATAACTGCAGAAAAAATTTGTAGTTTTCGAATATTTTAAGCAATAAAATGTC	2520
Db	2461	GACATTTTCAATAACTGCAGAAAAAATTTGTAGTTTTCGAATATTTTAAGCAATAAAATGTC	2520
Qy	2521	TAGTGAGTTATTGT	2534
Db	2521	TAGTGAGTTATTGT	2534

RESULT 5

```

US-09-949-016-2423
; Sequence 2423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2423

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Db	492	ATTGCTATCACATGTTTACCAGAGGCTTGACATCAGGAAAGAGAAACGAGATGTCCTC	551
Qy	204	TGCCACGGGGCTGCCCTCTGTGAGGAATTCCTGTGTATGGGAACATAGPATATGCTTCT	263
Db	552	TGCCACGGGGCTGCCCTCTGTGAGGAATTCCTGTGTATGGGAACATAGPATATGCTTCT	611
Qy	264	GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	323
Db	612	GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	671
Qy	324	GTACGAGTCTATAGCCTACCTGGTCGAGAAAACTATTTCCTCAGTAGATGCCAATGGCATC	383
Db	672	GTACGAGTCTATAGCCTACCTGGTCGAGAAAACTATTTCCTCAGTAGATGCCAATGGCATC	731
Qy	384	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTTTCAACAGTAACTAAAGSCAAAAAGTAGT	443
Db	732	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTTTCAACAGTAACTAAAGSCAAAAAGTAGT	791
Qy	444	ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA	503
Db	792	ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA	851
Qy	504	AAGAAACACCCGAGAGAAAACTGSCAATAAAGATTGTAAACGAGACATTTGCATTTCTG	563
Db	852	AAGAAACACCCGAGAGAAAACTGSCAATAAAGATTGTAAACGAGACATTTGCATTTCTG	911
Qy	564	ATTGATGGAGCTTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAAGAAATTTTGTGGA	623
Db	912	ATTGATGGAGCTTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAAGAAATTTTGTGGA	971
Qy	624	AAAGTGCTCTAATGTGTGGAAATTTGAAACAGAAAGGACCAACATGTGGGCCCTTGTTCAGGCC	683
Db	972	AAAGTGCTCTAATGTGTGGAAATTTGAAACAGAAAGGACCAACATGTGGGCCCTTGTTCAGGCC	1031
Qy	684	AGTGAACTCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG	743
Db	1032	AGTGAACTCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG	1091
Qy	744	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGGTAAATTCAAATACAGGAAAGCCTTGAAG	803
Db	1092	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGGTAAATTCCAATACAGGAAAGCCTTGAAG	1151
Qy	804	CATCTGCTCAGAAAATTCCTTCACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGTG	863
Db	1152	CATCTGCTCAGAAAATTCCTTCACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGTG	1211
Qy	864	GTGGTGATTTATTCATGTTGGCCTCTGTAGTACATCGAGGAAGCAGCATGTGGCC	923
Db	1212	GTGGTGATTTATTCATGTTGGCCTCTGTAGTACATCGAGGAAGCAGCATGTGGCC	1271
Qy	924	AGAGAGTTTGGTGTCAATTTATTTATAGTTTCTGTGGCCAAAGCTATCCCTCGAAGAACTG	983
Db	1272	AGAGAGTTTGGTGTCAATTTATTTATAGTTTCTGTGGCCAAAGCTATCCCTCGAAGAACTG	1331
Qy	984	GGGATGGTTCAGGATGTCAATTTGTGTGAACGGCTGTCTGTCCGAATTAATGCTTCTTC	1043
Db	1332	GGGATGGTTCAGGATGTCAATTTGTGTGAACGGCTGTCTGTCCGAATTAATGCTTCTTC	1391
Qy	1044	TCCTTACCATGCCCAACTGGTTTGGGACCAACAAATAACGTAAGCCTCTGGTACAGAAG	1103
Db	1392	TCCTTACCATGCCCAACTGGTTTGGGACCAACAAATAACGTAAGCCTCTGGTACAGAAG	1451
Qy	1104	CTGTGCACTCATCAACAAATGATGTGAGCAAGACCTGTTTATAAATCAGTGAACATTGCC	1163
Db	1452	CTGTGCACTCATCAACAAATGATGTGAGCAAGACCTGTTTATAAATCAGTGAACATTGCC	1511
Qy	1164	TTTCTAAATTGATGGCTCCAGCAGTGTGTGAGATAGCAAAATTCGCCCTCATGCTTGAATTT	1223
Db	1512	TTTCTAAATTGATGGCTCCAGCAGTGTGTGAGATAGCAAAATTCGCCCTCATGCTTGAATTT	1571
Qy	1224	GTTTCCAAACATAGCCAAAGCTTTTGAATTCCTCGGACATTTGGTGCCCAAGATAGCTGCTGTA	1283
Db	1572	GTTTCCAAACATAGCCAAAGCTTTTGAATTCCTCGGACATTTGGTGCCCAAGATAGCTGCTGTA	1631

Db 2223 TTACAGTACTTTGTTAAACACATGCTGAGGCTTCATATCATGGCTCTTAGAACT 2282
QY 1944 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTACTAAATG 2003
Db 2283 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTACTAAATG 2342
QY 2004 TACAGATATCAATTCATAGCTCAATTAAGAACTGTATCTATAGACCAAAAGCAACA 2063
Db 2343 TACAGATATCAATTCATAGCTCAATTAAGAACTGTATCTATAGACCAAAAGCAACA 2402

RESULT 7

US-09-905-125A-226
; Sequence 226, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-125A-226
Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGTCTGTCTGCTGCGGGGCCGCGGCGAGCGAGCCGCTCC 143
Db 423 GGCCTCGGTGTGTCTGTCTGTCTGCTGCGGGGCCGCGGCGAGCGAGCCGCTCC 482
QY 144 ATTGCTATCATGTTTACAGAGGCTTGGACATCAGAAAGAGAGAGAGAGAGAGAGAG 203
Db 483 ATTGCTATCATGTTTACAGAGGCTTGGACATCAGAAAGAGAGAGAGAGAGAGAGAG 542
QY 204 TGCCCGAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATCTTCT 263
Db 543 TGCCCGAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTCTCTCCACAGGGGAGTAATCAGCAACTCAGGGGAGCT 323
Db 603 GTATCGAGCATATGTGGGGCTCTCTCCACAGGGGAGTAATCAGCAACTCAGGGGAGCT 662
QY 324 GTACGAGTCTATAGCTACCTGGTCGAGAAACTATCTCAGTAGATGCCAATGGCATC 383
Db 663 GTACGAGTCTATAGCTACCTGGTCGAGAAACTATCTCAGTAGATGCCAATGGCATC 722
QY 384 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTACAGTAACATAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTACAGTAACATAAGGCAAAAGTAGT 782
QY 444 ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAAGCACTA 503
Db 783 ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAAGCACTA 842
QY 504 AAGAAACACCCGAGAGAAACTGSCAATAAGATTGTAAAGCAGACATTCATTCTG 563
Db 843 AAGAAACACCCGAGAGAAACTGSCAATAAGATTGTAAAGCAGACATTCATTCTG 902
QY 564 ATTGATGGAAGCTTTTAATAATTGGGCGCGCCGATTTTAAATTTTACAGAAAGATTTGTGGA 623
Db 903 ATTGATGGAAGCTTTTAATAATTGGGCGCGCCGATTTTAAATTTTACAGAAAGATTTGTGGA 962
QY 624 AAAGTGGCTCTTAATGTGTGGGAATTTGGAACAGAAAGCAGCATGTGGGCCCTTGTTCAGCC 683
Db 963 AAAGTGGCTCTTAATGTGTGGGAATTTGGAACAGAAAGCAGCATGTGGGCCCTTGTTCAGCC 1022
QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTGG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTGG 1082
QY 744 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAAATTCATAATCAGAAAAAGCTTTGAAG 803
Db 1083 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAAATTCATAATCAGAAAAAGCTTTGAAG 1142
QY 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGAGTCCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTCCGGTAGATGCTGGAGTAAGAAAGGAGTCCCCAAGTG 1202

; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US99/30999									
; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US00/00219									
; PRIOR FILING DATE: 2000-01-05									
; NUMBER OF SEQ ID NOS: 423									
; SEQ ID NO 226									
; LENGTH: 2403									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-902-775A-226									
Query Match									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
QY	24	TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTCGGATCCCGGCTCTC	83						
Db	363	TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTCGGATCCCGGCTCTC	422						
QY	84	GGCCTCGGTGTGTCTGTCTGTCTGTCTGCTGCCGGGGCCCGCGGGCAGCGAGGAGCCGCTCCC	143						
Db	423	GGCCTCGGTGTGTCTGTCTGTCTGTCTGCTGCCGGGGCCCGCGGGCAGCGAGGAGCCGCTCCC	482						
QY	144	ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCTTC	203						
Db	483	ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCTTC	542						
QY	204	TGCCACGGGGCTGCCCTCTTGGAGAACTCTCTGTGTATGGGAAACATAGTATATGCTTCT	263						
Db	543	TGCCACGGGGCTGCCCTCTTGGAGAACTCTCTGTGTATGGGAAACATAGTATATGCTTCT	602						
QY	264	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTATACAGAACTCAGGGGACCT	323						
Db	603	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTATACAGAACTCAGGGGACCT	662						
QY	324	GTACGAGTCTATAGCCTACCTGTGCGAGAAACTATTCCTCAGTAGTGCATGCGATC	383						
Db	663	GTACGAGTCTATAGCCTACCTGTGCGAGAAACTATTCCTCAGTAGTGCATGCGATC	722						
QY	384	CAGTCTCAATGTCTTCTAGATGTCTGTCTTCTTTCACAGTAACCTAAAGCCAAAGTAGT	443						
Db	723	CAGTCTCAATGTCTTCTAGATGTCTGTCTTCTTTCACAGTAACCTAAAGCCAAAGTAGT	782						
QY	444	ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACACAGGTAACGACTA	503						
Db	783	ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACACAGGTAACGACTA	842						
QY	504	AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG	563						
Db	843	AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG	902						
QY	564	ATTGATGGAAGCTTTAATATTGGCAGCGCGGATTTAATTTACAGAAAGATTTTGTGGA	623						
Db	903	ATTGATGGAAGCTTTAATATTGGCAGCGCGGATTTAATTTACAGAAAGATTTTGTGGA	962						
QY	624	AAAGTGGCTTAATATTGGGAAATTGGAAACAGAGGACACATGTGGGCCCTGTTCAGCC	683						
Db	963	AAAGTGGCTTAATATTGGGAAATTGGAAACAGAGGACACATGTGGGCCCTGTTCAGCC	1022						
QY	684	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTATCATCAGCCAAAGATGTTTG	743						
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTATCATCAGCCAAAGATGTTTG	1082						
QY	744	TTTGCATAAAGGAAGTAGTTTTCAGAGGGGGTAATTTCCAATACAGAAAAAGCCTTGAAG	803						
Db	1083	TTTGCATAAAGGAAGTAGTTTTCAGAGGGGGTAATTTCCAATACAGAAAAAGCCTTGAAG	1142						
QY	804	CATCTGCTCAGAAATTTCTTACCGGTAGATGCTGAGTAGAGAAAGGATCCCAAGTG	863						
Db	1143	CATCTGCTCAGAAATTTCTTACCGGTAGATGCTGAGTAGAGAAAGGATCCCAAGTG	1202						
QY	864	GTGGTGGTATTATTATGATGGTGGCTTCTCATGACATCGAGGAAGCAGGCAATTGTGCC	923						
1203	GTGGTGGTATTATTATGATGGTGGCTTCTCATGACATCGAGGAAGCAGGCAATTGTGCC	1262							
924	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGGAAGACTG	983							
1263	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGGAAGACTG	1322							
984	GGGATGGTTCAGGATGTCAATTTTGTGCAAGGCTGTCTGTGGAATAATAGGCTTCTTC	1043							
1323	GGGATGGTTCAGGATGTCAATTTTGTGCAAGGCTGTCTGTGGAATAATAGGCTTCTTC	1382							
1044	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAGAACCTCTCGTACAGAAAG	1103							
1383	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAGAACCTCTCGTACAGAAAG	1442							
1104	CTGTGCACCTCATGAACAAATGATGTGCAGCAAGACCTGTTTATACTCAGTGAACATTGCC	1163							
1443	CTGTGCACCTCATGAACAAATGATGTGCAGCAAGACCTGTTTATACTCAGTGAACATTGCC	1502							
1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1223							
1503	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1562							
1224	GTTTCCAAACATAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGGCCAGATAGCTCTGTA	1283							
1563	GTTTCCAAACATAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGGCCAGATAGCTCTGTA	1622							
1284	CAGTTTACTTATGATCAGCGCACGGAGTTCACTGATTTCACTGATATAGCACCAAGAGAAAT	1343							
1623	CAGTTTACTTATGATCAGCGCACGGAGTTCACTGATTTCACTGATATAGCACCAAGAGAAAT	1682							
1344	GTCTTAGCTGTTCATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTCAATGCC	1403							
1683	GTCTTAGCTGTTCATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTCAATGCC	1742							
1404	ATTTCTCTTCACTGTGTAGAAATGTGTGGCCCTATAAGGGAGAGCCCCAACAAAGAACTTC	1463							
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1464	CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGTCCAAAGGCCCTGCAGCTGCTGCA	1523							
1803	CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGTCCAAAGGCCCTGCAGCTGCTGCA	1862							
1524	CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG	1583							
1863	CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG	1922							
1584	AAAGATATGGCTTTTAAACCCGAGAGTCTCATGTCTTCTTCAAGAGAGTTCACAGGA	1643							
1923	AAAGATATGGCTTTTAAACCCGAGAGTCTCATCGCTTCTTCAAGAGAGTTCACAGGA	1982							
1644	TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCG	1703							
1983	TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCG	2042							
1704	CAATATGTGTAACTTTTGACAACTGAAAGAAAAGTACAAAGGATCCAGTGTGTAAT	1763							
2043	CAATATGTGTAACTTTTGACAACTGAAAGAAAAGTACAAAGGATCCAGTGTGTAAT	2102							
1764	TGTATTTCTCATTAATCTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACCTTAAGT	1823							
2103	TGTATTTCTCATTAATCTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACCTTAAGT	2162							
1824	ATGTCAACAGCAATTTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTTGGTTACAA	1883							
2163	ATGTCAACAGCAATTTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTTGGTTACAA	2222							
1884	TTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCAATAATCATGGCTCTTAGAACT	1943							
2223	TTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCAATAATCATGGCTCTTAGAACT	2282							
1944	CAGGAAAGAGGAGATTAATGTGAATTAACCTTTAGAGTTCTAACCATGCTCTACTTAATG	2003							

QY 924 AGAGATGTTGGTCTCAATGATTTATAGTTCTTGTGGCCAAAGCTATCCCTCAAGAACTG 983
DB |||||
QY 1263 AGAGAGTTTGGTCTCAATGATTTATAGTTCTTGTGGCCAAAGCTATCCCTCAAGAACTG 1322
DB |||||
QY 984 GGGATGGTTCAGGATGTCACATTTGTTGACAAGGCTGTCGTGCGGAATTAATGGCTTCTTC 1043
DB |||||
QY 1323 GGGATGGTTCAGGATGTCACATTTGTTGACAAGGCTGTCGTGCGGAATTAATGGCTTCTTC 1382
DB |||||
QY 1044 TCTTACACATGCCAACTGGTTGGCACACAAATAGTAAAGCTCTGTTGACAGAAG 1103
DB |||||
QY 1383 TCTTACACATGCCAACTGGTTGGCACACAAATAGTAAAGCTCTGTTGACAGAAG 1442
DB |||||
QY 1104 CTGTGCACTCATGAACAAATGATGTGACGCAAGACCTGTTATAACTCAGTGAACATGTC 1163
DB |||||
QY 1443 CTGTGCACTCATGAACAAATGATGTGACGCAAGACCTGTTATAACTCAGTGAACATGTC 1502
DB |||||
QY 1164 TTTCTAATGATGGCTCCAGAGTGTGTTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB |||||
QY 1503 TTTCTAATGATGGCTCCAGAGTGTGTTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
DB |||||
QY 1224 GTTTCACATAGCAAGACTTTTGAATCTCGACATTTGGTCCCAAGATAGCTGCTGTA 1283
DB |||||
QY 1563 GTTTCACATAGCAAGACTTTTGAATCTCGACATTTGGTCCCAAGATAGCTGCTGTA 1622
DB |||||
QY 1284 CAGTTTACTTATGATCAGCGCACGGAGTTTCACTGCTATATAGCACCAAGAGAAT 1343
DB |||||
QY 1623 CAGTTTACTTATGATCAGCGCACGGAGTTTCACTGCTATATAGCACCAAGAGAAT 1682
DB |||||
QY 1344 GTCTAGTGTATCAGAAACATCCGCTATATGATGTGTTGGAGACACTGCTGATGCC 1403
DB |||||
QY 1683 GTCTAGTGTATCAGAAACATCCGCTATATGATGTGTTGGAGACACTGCTGATGCC 1742
DB |||||
QY 1404 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGAGAGACCCCAACAAGAACTTC 1463
DB |||||
QY 1743 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGAGAGACCCCAACAAGAACTTC 1802
DB |||||
QY 1464 CTAGTAATTTGTCAGATGCGAGTCTTATGATGATGTCAGAGCCCTGAGCTGTGCA 1523
DB |||||
QY 1803 CTAGTAATTTGTCAGATGCGAGTCTTATGATGATGTCAGAGCCCTGAGCTGTGCA 1862
DB |||||
QY 1524 CATGATGAGCAATCAGTATCTTCTGTTGGCTGCTGGGCACTCTGGAATGACCTG 1583
DB |||||
QY 1863 CATGATGAGCAATCAGTATCTTCTGTTGGCTGCTGGGCACTCTGGAATGACCTG 1922
DB |||||
QY 1584 AAAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1643
DB |||||
QY 1923 AAAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1982
DB |||||
QY 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGATAGATTTCTTAGAATCCAG 1703
DB |||||
QY 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGATAGATTTCTTAGAATCCAG 2042
DB |||||
QY 1704 CAATATGTAACATTTTGAACCTGAAAGAAAGTAAAGGAGGATCCAGTGTGTAAT 1763
DB |||||
QY 2043 CAATATGTAACATTTTGAACCTGAAAGAAAGTAAAGGAGGATCCAGTGTGTAAT 2102
DB |||||
QY 1764 TGTATTTCTCATATACTGAAATGCTTTTATGATGATGATGATGATGATGATGATGATGAT 1823
DB |||||
QY 2103 TGTATTTCTCATATACTGAAATGCTTTTATGATGATGATGATGATGATGATGATGATGAT 2162
DB |||||
QY 1824 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTAAAGCGCTGCTGCTGCTGCTGCTGCT 1883
DB |||||
QY 2163 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTAAAGCGCTGCTGCTGCTGCTGCTGCT 2222
DB |||||
QY 1884 TTTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCTAATCATGCTCTTGAAGACT 1943
DB |||||
QY 2223 TTTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCTAATCATGCTCTTGAAGACT 2282
DB |||||
QY 1944 CAGGAAGAGGAGATGATGATTTAAACCTTAGAGTCTTAAACCTTAGAGTCTTAAACCTTAGAG 2003
DB |||||
QY 2283 CAGGAAGAGGAGATGATGATTTAAACCTTTAAGAGTCTTAAACCTTAGAGTCTTAAACCTTAGAG 2342
DB |||||

QY 2004 TACAGATATCAAAATTCATAGCTCAATAAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
DB |||||
QY 2343 TACAGATATCAAAATTCATAGCTCAATAAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402
DB |||||

RESULT 10
US-09-903-603A-226
; Sequence 226, Application US/09903603A
; Patent No. 6767995
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C12
; CURRENT APPLICATION NUMBER: US/09/903,603A
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219

;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 226
;; LENGTH: 2403
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-903-603A-226

Query Match		80.1%;	Score 2028.8;	DB 4;	Length 2403;	
Best Local Similarity		99.7%;	Pred. No. 0;			
Matches 2033;		Conservative	0;	Mismatches	7;	Indels 0; Gaps 0;
Qy	24	TCTCGAGAGGTGTGAGAGCCTATACGTACCAATGTCGACGCTCGAGCTCGAGTCCCGGCTTC	83			
Db	363	TCTCTCCAGGTGTGAGAGCCTATACGTACCAATGTCGACGCTCGAGCTCGAGTCCCGGCTTC	422			
Qy	84	GGCTCCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGACGAGGGAGCGCTCC	143			
Db	423	GGCTCCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGACGAGGGAGCGCTCC	482			
Qy	144	ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCCTC	203			
Db	483	ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCCTC	542			
Qy	204	TGCCAGGGGCTGCCCTCTTGAGAAATCTCTGTGTATGAGGAAACATAGTATATGCTTCT	263			
Db	543	TGCCAGGGGCTGCCCTCTTGAGAAATCTCTGTGTATGAGGAAACATAGTATATGCTTCT	602			
Qy	264	GTATCGAGCATGTGGGGCTGTCTCCAGGGGAGTATCAGCACTCAGGGGACCT	323			
Db	603	GTATCGAGCATGTGGGGCTGTCTCCAGGGGAGTATCAGCACTCAGGGGACCT	662			
Qy	324	GTACGAGCTATAGCCTACCTGGTCGAGAAAACTATTTCCTCAGTAGATGCCAATGGCATC	383			
Db	663	GTACGAGCTATAGCCTACCTGGTCGAGAAAACTATTTCCTCAGTAGATGCCAATGGCATC	722			
Qy	384	CAGTCTCAATGTCTTCTAGATGGTCTGCTCTCTTTTCACTAAGTAAAGCAAAAGTAGT	443			
Db	723	CAGTCTCAATGTCTTCTAGATGGTCTGCTCTCTTTTCACTAAGTAAAGCAAAAGTAGT	782			
Qy	444	ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA	503			
Db	783	ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA	842			
Qy	504	AAGAAAAACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCAATTTCTG	563			
Db	843	AAGAAAAACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCAATTTCTG	902			
Qy	564	ATTGATGGAAGCTTTAATATTGGGCAGCGCGGATTTAATTTACAGAGAAATTTTGTGGA	623			
Db	903	ATTGATGGAAGCTTTAATATTGGGCAGCGCGGATTTAATTTACAGAGAAATTTTGTGGA	962			
Qy	624	AAAGTGGCTTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCTTGTTCAGCC	683			
Db	963	AAAGTGGCTTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCTTGTTCAGCC	1022			
Qy	684	AGTGAACATCCCAAAATAGAAATTTACTTCAAAAACTTTACATCAGCCAAAGATGTTTTG	743			
Db	1023	AGTGAACATCCCAAAATAGAAATTTACTTGA AAAA CTTTACATCAGCCAAAGATGTTTTG	1082			
Qy	744	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCGAATACAGGAAAGCCTTGAAG	803			
Db	1083	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCGAATACAGGAAAGCCTTGAAG	1142			
Qy	804	CATACCTCTCAGAAATCTTTCACGGTAGATGTGGAGTAAGAAAGGGATCCCAAGTG	863			
Db	1143	CATACCTCTCAGAAATCTTTCACGGTAGATGTGGAGTAAGAAAGGGATCCCAAGTG	1202			
Qy	864	GTGGTGTATTATTATGATGTTGGCTTCTGTGACATCCAGGAGCAGGCAATTTGGCC	923			
Db	1203	GTGGTGTATTATTATGATGTTGGCTTCTGTGACATCCAGGAGCAGGCAATTTGGCC	1262			
Qy	924	AGAGAGTTTGGTGTCAATGTATTATTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	983			

Db	1263	AGAGAGTTTGGTGTCAATGTATTATTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	1322			
Qy	984	GGGATGGTTTCAGGATGTCAATTTTGTGACAGGCTGTCTGTGGAAATTAATGCTTCTTTC	1043			
Db	1323	GGGATGGTTTCAGGATGTCAATTTTGTGACAGGCTGTCTGTGGAAATTAATGCTTCTTTC	1382			
Qy	1044	TCTTACCATATGCCAACTGGTTTGGCACCAAAAAATAGCTAAAGCCTCTGGTACAGAAG	1103			
Db	1383	TCTTACCATATGCCAACTGGTTTGGCACCAAAAAATAGCTAAAGCCTCTGGTACAGAAG	1442			
Qy	1104	CTGTGCACTCATGAACAAATGATGTGCAGAGACCTGTTATTAACCTCAGTGAACATTTGCC	1163			
Db	1443	CTGTGCACTCATGAACAAATGATGTGCAGAGACCTGTTATTAACCTCAGTGAACATTTGCC	1502			
Qy	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1223			
Db	1503	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1562			
Qy	1224	GTTTCCAAATAGCCAAAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA	1283			
Db	1563	GTTTCCAAATAGCCAAAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA	1622			
Qy	1284	CAGTTTACTTATGATCAGCGCACCGAGTTTCAGTTTCACTGACTATATAGCACCAGAGAAAT	1343			
Db	1623	CAGTTTACTTATGATCAGCGCACCGAGTTTCAGTTTCACTGACTATATAGCACCAGAGAAAT	1682			
Qy	1344	GTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGTGGACACACTCTGCTGATGCC	1403			
Db	1683	GTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGTGGACACACTCTGCTGATGCC	1742			
Qy	1404	ATTTCCTTCACTGTGTAGAAATGTGTGGCCCTTATAAGGGAGAGCCCAACAGAACTTTC	1463			
Db	1743	ATTTCCTTCACTGTGTAGAAATGTGTGGCCCTTATAAGGGAGAGCCCAACAGAACTTTC	1802			
Qy	1464	CTAGTAATTTGTCAAGATGGGCACTCTATGATGATGTCCAGGCCCTCGAGCTGTGCA	1523			
Db	1803	CTAGTAATTTGTCAAGATGGGCACTCTATGATGATGTCCAGGCCCTCGAGCTGTGCA	1862			
Qy	1524	CATGATGAGGAATCACTATCTCTGTGTGTGGCTTGGGCACTCTCGGATGACCTG	1583			
Db	1863	CATGATGAGGAATCACTATCTCTGTGTGTGGCTTGGGCACTCTCGGATGACCTG	1922			
Qy	1584	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTTCACAGAGAGTTTCAAGGA	1643			
Db	1923	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTTCACAGAGAGTTTCAAGGA	1982			
Qy	1644	TTAGAACCAATTTGTTTCTGATGTCAATGTCAGAGGCAATTTGATGAGATTTCTAGAAATCCCAG	1703			
Db	1983	TTAGAACCAATTTGTTTCTGATGTCAATGTCAGAGGCAATTTGATGAGATTTCTAGAAATCCCAG	2042			
Qy	1704	CAATATGTTAACTTTTTCACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT	1763			
Db	2043	CAATATGTTAACTTTTTCACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT	2102			
Qy	1764	TGTATTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTATTAAAGT	1823			
Db	2103	TGTATTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTATTAAAGT	2162			
Qy	1824	ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTTAAAGCGCTGCTCTGGTTACAA	1883			
Db	2163	ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTTAAAGCGCTGCTCTGGTTACAA	2222			
Qy	1884	TTTACAGTGTACTTTTGTAAACACTGCTGAGGCTTCAATACTAGGCTCTTAGAACT	1943			
Db	2223	TTTACAGTGTACTTTTGTAAACACTGCTGAGGCTTCAATACTAGGCTCTTAGAACT	2282			
Qy	1944	CAGGAAAGAGGAGATTAATGTGATTTAAACCTTTAAGAGTTCTAAACCATGCTACTAAATG	2003			
Db	2283	CAGGAAAGAGGAGATTAATGTGATTTAAACCTTTAAGAGTTCTAAACCATGCTACTAAATG	2342			
Qy	2004	TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTCATATCTTTAGACCAAAAGCAACA	2063			

Qy 984 GGGATGGTTTCAAGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAAATGGCTTCTTC 1043
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Qy 1323 GGGATGGTTTCAAGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAAATGGCTTCTTC 1382
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Qy 1044 TCTTACCACATGCCCACTGGTTGGCCACCAAAATACGTAAGCTCTCTGGTACAGAAG 1103
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Qy 1383 TCTTACCACATGCCCACTGGTTGGCCACCAAAATACGTAAGCTCTCTGGTACAGAAG 1442
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Qy 1104 CTGTGCACTCATGAACAAATGATGTGCGAAGACCTGTTATTAAGTCTCAAGTGAACATGGCC 1163
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Db |||||
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Qy 1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
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Qy 1224 GTTTCACACATAGCCAGACCTTTTGAATCTCGACATTTGGTGCACAGATAGCTGTGTA 1283
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Qy 1563 GTTTCACACATAGCCAGACCTTTTGAATCTCGACATTTGGTGCACAGATAGCTGTGTA 1622
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Qy 1284 CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATAGCACAAGAGAAAT 1343
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Qy 1623 CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATAGCACAAGAGAAAT 1682
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Db |||||
Qy 1683 GTCTAGCTGTCAATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTGAATGCC 1742
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Qy 1404 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1463
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Qy 1743 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1802
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Qy 1464 CTAGTAATGTGACAGATGSCAGTCTCTATGATGATGTCACAGSCCTGCGAGCTGTGCA 1523
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Qy 1803 CTAGTAATGTGACAGATGSCAGTCTCTATGATGATGTCACAGSCCTGCGAGCTGTGCA 1862
Db |||||
Qy 1524 CATGATCAGGAATCACTATCTTCTGTGTTGGTGGCTTTGGGCACCTCTGGATGACCTG 1583
Db |||||
Qy 1863 CATGATCAGGAATCACTATCTTCTGTGTTGGTGGCTTTGGGCACCTCTGGATGACCTG 1922
Db |||||
Qy 1584 AAGATATGGCTTCTAAACGAGAGTCTCATGCTTTCTTCTTCAAGAGAGTTCACAGGA 1643
Db |||||
Qy 1923 AAGATATGGCTTCTAAACGAGAGTCTCATGCTTTCTTCTTCAAGAGAGTTCACAGGA 1982
Db |||||
Qy 1644 TTAGAACCAATGTTCTGATGTCATCAGAGGCAATTTGTAGAGTTTCTTAGAATCCCAG 1703
Db |||||
Qy 1983 TTAGAACCAATGTTCTGATGTCATCAGAGGCAATTTGTAGAGTTTCTTAGAATCCCAG 2042
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Qy 1704 CAATAATGGTAAACATTTTGACAACTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db |||||
Qy 2043 CAATAATGGTAAACATTTTGACAACTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 2102
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Qy 1764 TGATTTCTCAATACATGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTAAGT 1823
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Qy 2103 TGATTTCTCAATACATGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTAAGT 2162
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Qy 1824 ATGTCAACGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTCTGTTACAA 1883
Db |||||
Qy 2163 ATGTCAACGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTCTGTTACAA 2222
Db |||||
Qy 1884 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATCATGCGCTCTTAGAACT 1943
Db |||||
Qy 2223 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATCATGCGCTCTTAGAACT 2282
Db |||||
Qy 1944 CAGAAAGAGGAGATAATGTGGATTAACACCTTAAGAGTTCTAACCATGCTCTAAATG 2003
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Qy 2283 CAGAAAGAGGAGATAATGTGGATTAACACCTTAAGAGTTCTAACCATGCTCTAAATG 2342
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Qy 2004 TACAGATATCAATTCATAGCTCAATTAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
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Db |||||

RESULT 12

US-09-909-064-226
; Sequence 226, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403

US-09-905-381A-226

	Query Match Best Local Similarity Matches 2033; Conservative	80.1%; 99.7%; 0;	Score 2028.8; Pred. No. 0; 0;	DB 4; Length 2403; Indels 0; Gaps 0;
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Db	363	TCTCTCCACGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	422	
Qy	84	GGCTCGGTGTGTCTGTCTGCTCCGGGCCCGCGGCGAGCAGGAGCGCGCTCCC	143	
Db	423	GGCTCGGTGTGTCTGTCTGCTCCGGGCCCGCGGCGAGCAGGAGCGCGCTCCC	482	
Qy	144	ATTGCTATCACTGTTTTTACCAGAGCCTTGGACATCAGGAAAGAGAAAGCAGATGCTCTC	203	
Db	483	ATTGCTATCACTGTTTTTACCAGAGCCTTGGACATCAGGAAAGAGAAAGCAGATGCTCTC	542	
Qy	204	TGCCCAGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGGGAAACATAGTATATGTTCT	263	
Db	543	TGCCCAGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGGGAAACATAGTATATGTTCT	602	
Qy	264	GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	323	
Db	603	GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	662	
Qy	324	GTACGAGTCTATAGCCTTACCTGCTCGAGAAAACTATTCCTCAGTAGATGCCAATGGCATC	383	
Db	563	GTACGAGTCTATAGCCTTACCTGCTCGAGAAAACTATTCCTCAGTAGATGCCAATGGCATC	722	
Qy	384	CAGTCTCAAAATGCTTTCTAGATGGTCTGTTCTTTTCACTAGTAACATAAGAGCAAAATAGT	443	
Db	723	CAGTCTCAAAATGCTTTCTAGATGGTCTGTTCTTTTCACTAGTAACATAAGAGCAAAATAGT	782	
Qy	444	ACACAGAGGCCACAGCAACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACATA	503	
Db	783	ACACAGAGGCCACAGCAACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACATA	842	
Qy	504	AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCATTTCTG	563	
Db	843	AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCATTTCTG	902	
Qy	564	ATTGATGGAAGCTTTTAATATTTGGGACGCGCGAATTTAATTTACAGAAGAAATTTTGTGGA	623	
Db	903	ATTGATGGAAGCTTTTAATATTTGGGACGCGCGAATTTAATTTAACAAGAAGAAATTTTGTGGA	962	
Qy	624	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCACTGTGGGCTGTGTTCAGGC	683	
Db	963	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCACTGTGGGCTGTGTTCAGGC	1022	
Qy	684	AGTGAAATCCCAAAATAGAAATTTACTTTGMAAACTTTACATCAGCCAAAGATGTTTGG	743	
Db	1023	AGTGAAATCCCAAAATAGAAATTTACTTTGMAAACTTTACATCAGCCAAAGATGTTTGG	1082	
Qy	744	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGNAAGCCTTTGAAG	803	
Db	1083	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGNAAGCCTTTGAAG	1142	
Qy	804	CATACCTGCTCAGAAATCTTTCACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCCAAAGTG	863	
Db	1143	CATACCTGCTCAGAAATCTTTCACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCCAAAGTG	1202	
Qy	864	GTGCTGTAATTTATTCATGTTGGGCTTCTGTATGACATCGAGGAAGCAGGCATTTGTGGCC	923	
Db	1203	GTGCTGTAATTTATTCATGTTGGGCTTCTGTATGACATCGAGGAAGCAGGCATTTGTGGCC	1262	
Qy	924	AGAGAGTTTGGTGTCAATGTATTTATAGTGTTCCTGTGGCCCAAGCCTATCCCTGAAGAACTG	983	
Db	1263	AGAGAGTTTGGTGTCAATGTATTTATAGTGTTCCTGTGGCCCAAGCCTATCCCTGAAGAACTG	1322	
Qy	984	GGGATGGTTCAGGATGTCACTTTGTGTGAACAGGCTGTCTGTCCGAATTAATGGCTTCTTC	1043	
Db	1323	GGGATGGTTCAGGATGTCACTTTGTGTGAACAGGCTGTCTGTCCGAATTAATGGCTTCTTC	1382	


```

; APPLICANT: Robertson, Hahid
; APPLICANT: Morton, Cynthia
; APPLICANT: Van Camp, Guy
; APPLICANT: Fransen, Erik
; APPLICANT: Van De Heyting, Paul
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: MENISRE DISEASE
; FILE REFERENCE: 10286-010001
; CURRENT APPLICATION NUMBER: US/09/579,288
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/136,008
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1650
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-579-288-3

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Query Match      65.1%; Score 1650; DB 4; Length 1650;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1650; Conservative 0; Mismatches 0; Indels 0
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[illegible]

Search completed: August 21, 2005, 13:57:04
Job time : 308 secs

Db 723 CAGTCTCAAAATGCTTTCTAGATGCTGCTCTTTTACAGATAACTAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACACAGCAAGCAGTGTCCACAGCACATCCACCAACAGAGTAACGACTA 503
Db 783 ACACAGAGGCCACACAGCAAGCAGTGTCCACAGCACATCCACCAACAGAGTAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAACCTGGCAATAAGATTGTAAGCAGACATGTCATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAACCTGGCAATAAGATTGTAAGCAGACATGTCATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAATATTGGCAGCGCGGATTTAATTTACAGAAAGATTGTTGGA 623
Db 903 ATTGATGGAAGCTTTAATATTGGCAGCGCGGATTTAATTTACAGAAAGATTGTTGGA 962
Qy 624 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCCCTGTTCAAGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCCCTGTTCAAGCC 1022
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Qy 804 CATACTGCTCAGAAATTTCTCAGCGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTCAGCGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 1202
Qy 864 GTGCTGATTTATGATGTTGGCTTCTGATGACATCGAGNAGCAGGCATTTGGCC 923
Db 1203 GTGCTGATTTATGATGTTGGCTTCTGATGACATCGAGNAGCAGGCATTTGGCC 1262
Qy 924 AGAGATTTGGTGTCAATGATTTATATAGTTTCTGTCGCAAGCTATCCCTCGAAGACTG 983
Db 1263 AGAGATTTGGTGTCAATGATTTATATAGTTTCTGTCGCAAGCTATCCCTCGAAGACTG 1322
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Qy 1044 TCTTACACATGCCCACTGGTTGGCCACCAAAATACGTAAAGCTCTGTGTACAGAAG 1103
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Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCTCACTGACTATAGCACCAGAGAAAT 1343
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Qy 1344 GTCCTAGTGTATCAGAAACATCGCTATATAGTGTGGACAGCTACTGTGTATGCC 1403
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Db 1803 CTAGTAATTTGTACAGATGGGCGAGTCTTATGATGATGTCCAAGGCCCTCGAGCTGCTGCA 1862
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Db 1863 CATGATGCAAGGAATCACTATCTTCTGTGTGTGTGGCTTGGGCACCTCTGGATGACCTG 1922
Qy 1584 AAGATATGGCTTCTTAAACCGAGAGTCTCATGCTTCTTCAAGAGAGTTCACAGGA 1643
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Qy 1644 TTAGAACCAATTTGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAAG 1703
Db 1983 TTAGAACCAATTTGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAAG 2042
Qy 1704 CAATATGTAATTTTGAACAACCTGAAGAAAAAGTACAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGTAATTTTGAACAACCTGAAGAAAAAGTACAAGGGATCCAGTGTGTAAT 2102
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Db 2163 ATGTCAACAGCCATTAGGCAAAATAGCACTCCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
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Db 2223 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAGAGGAGATAATGTTGATTAATAACCTTTAAGAGTTCCTAACCATGCTCTAAATG 2003
Db 2283 CAGGAAGAGGAGATAATGTTGATTAATAACCTTTAAGAGTTCCTAACCATGCTCTAAATG 2342
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RESULT 3

US-09-905-291A-226
; Sequence 226, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A

CURRENT FILING DATE: 2001-07-12									
PRIOR APPLICATION NUMBER: PCT/US00/04414									
PRIOR FILING DATE: 2000-02-22									
PRIOR APPLICATION NUMBER: US 60/143,048									
PRIOR FILING DATE: 1999-07-07									
PRIOR APPLICATION NUMBER: US 60/145,698									
PRIOR FILING DATE: 1999-07-26									
PRIOR APPLICATION NUMBER: US 60/146,222									
PRIOR FILING DATE: 1999-07-28									
PRIOR APPLICATION NUMBER: PCT/US99/20594									
PRIOR FILING DATE: 1999-09-08									
PRIOR APPLICATION NUMBER: PCT/US99/20944									
PRIOR FILING DATE: 1999-09-13									
PRIOR APPLICATION NUMBER: PCT/US99/21090									
PRIOR FILING DATE: 1999-09-15									
PRIOR APPLICATION NUMBER: PCT/US99/21547									
PRIOR FILING DATE: 1999-09-15									
PRIOR APPLICATION NUMBER: PCT/US99/23089									
PRIOR FILING DATE: 1999-10-05									
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PRIOR FILING DATE: 1999-11-29									
PRIOR APPLICATION NUMBER: PCT/US99/28313									
PRIOR FILING DATE: 1999-11-30									
PRIOR APPLICATION NUMBER: PCT/US99/28564									
PRIOR FILING DATE: 1999-12-02									
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PRIOR APPLICATION NUMBER: PCT/US99/30095									
PRIOR FILING DATE: 1999-12-16									
PRIOR APPLICATION NUMBER: PCT/US99/30911									
PRIOR FILING DATE: 1999-12-20									
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PRIOR FILING DATE: 1999-12-20									
PRIOR APPLICATION NUMBER: PCT/US00/00219									
PRIOR FILING DATE: 2000-01-05									
NUMBER OF SEQ ID NOS: 423									
SEQ ID NO 226									
LENGTH: 2403									
TYPE: DNA									
ORGANISM: Homo sapiens									
US-09-905-291A-226									
Query Match 80.1%; Score 2028.8; DB 9; Length 2403;									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
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DB	723	CAGTCTCAAAATGCTTTAGATGGTCTGCTTCTTTTCAAGTAACTAAAGCAAAAGTAGT	782	1143	CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAAGGGATCCCAAGTG	1202			

Db 783 ACACAGAGGCCACAGGACAGGAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAATCGGCAATAAAGATTGTAAAGCAGACATTTGCATTCTG 563
Db 843 AAGAAACACCCGAGAGAAATCGGCAATAAAGATTGTAAAGCAGACATTTGCATTCTG 902
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Qy 1464 CTAGTAATTTGCACAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1523
Db 1803 CTAGTAATTTGCACAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1862
Qy 1524 CATGATGCAGGAATCACTATCTTCTCTGTGGTGTGGCTTTGGGCACCTCTGGATGACCTG 1583

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Qy 1644 TTAGAACCAATTTGTTTCTCATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG 1703
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Qy 2004 TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTCATACTTTAGACCAAAAGCAACA 2063
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RESULT 5

US-09-907-824-226

; Sequence 226, Application US/09907824

; Publication No. US20020197671A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/907,824

; PRIOR FILING DATE: 2001-07-17

; PRIOR APPLICATION NUMBER: 09/665,350

; PRIOR FILING DATE: 2000-09-18

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22									
; PRIOR APPLICATION NUMBER: US 60/143,048									
; PRIOR FILING DATE: 1999-07-07									
; PRIOR APPLICATION NUMBER: US 60/145,698									
; PRIOR FILING DATE: 1999-07-26									
; PRIOR APPLICATION NUMBER: US 60/146,222									
; PRIOR FILING DATE: 1999-07-28									
; PRIOR APPLICATION NUMBER: PCT/US99/20594									
; PRIOR FILING DATE: 1999-09-08									
; PRIOR APPLICATION NUMBER: PCT/US99/20944									
; PRIOR FILING DATE: 1999-09-13									
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; PRIOR APPLICATION NUMBER: PCT/US99/28313									
; PRIOR FILING DATE: 1999-11-30									
; PRIOR APPLICATION NUMBER: PCT/US99/28564									
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; PRIOR APPLICATION NUMBER: PCT/US99/30999									
; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US00/00219									
; PRIOR FILING DATE: 2000-01-05									
; NUMBER OF SEQ ID NOS: 423									
; SEQ ID NO 226									
; LENGTH: 2403									
; TYPE: DNA									
; ORGANISM: Homo Sapien									
US-09-907-824-226									
Query Match 80.1%; Score 2028.8; DB 9; Length 2403;									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
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Qy	84	GGCTCGGTGTGTCTGTCTGCTGCTGCGGGGCGCGGGCAGCGAGGAGCGCTCCC	143						
Db	423	GGCTCTCGGTGTGTGTCTGTCTGCTGCTGCGGGGCGCGGGCAGCGAGGAGCGCTCCC	482						
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Qy	324	GTACGAGTCTATAGCCTACCTGTGCGAGAAAATTTCTCAGTATGATGCAATGGCATC	383						
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Qy	384	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCAGTACTAAGGCAAAAGTAGT	443						
Db	723	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCAGTACTAAGGCAAAAGTAGT	782						
Qy	444	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	503						

Db	783	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCACAGGTAAACGACTA	842						
Qy	504	AAGAAAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCTG	563						
Db	843	AAGAAAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCTG	902						
Qy	564	ATTGATGGAAGCTTTTAATATTGGGAGCGCGGATTTAATTTACAGAAATTTTGTGGA	623						
Db	903	ATTGATGGAAGCTTTTAATATTGGGAGCGCGGATTTAATTTACAGAAATTTTGTGGA	962						
Qy	624	AAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCATGTGGGCTTTGTTCAAGCC	683						
Db	963	AAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCATGTGGGCTTTGTTCAAGCC	1022						
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTGAATAATTTTACATCAGCCAAAGATGTTG	743						
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTGAATAATTTTACATCAGCCAAAGATGTTG	1082						
Qy	744	TTTGGCAATAAGGAAGTAGGTTTCAGAGGGGTAAATCCCAATACAGGAAGAGCCTTGAAG	803						
Db	1083	TTTGGCAATAAGGAAGTAGGTTTCAGAGGGGTAAATCCCAATACAGGAAGAGCCTTGAAG	1142						
Qy	804	CATACTGCTCAGAAATTTCTTACGGTAGATGCTGAGTAAGAAAAAGGATCCCAAGTG	863						
Db	1143	CATACTGCTCAGAAATTTCTTACGGTAGATGCTGAGTAAGAAAAAGGATCCCAAGTG	1202						
Qy	864	GTGGTGGTATTTATGATGGTGGCTTCTGATGACATCGAGGAAGAGGATGTTGGCC	923						
Db	1203	GTGGTGGTATTTATGATGGTGGCTTCTGATGACATCGAGGAAGAGGATGTTGGCC	1262						
Qy	924	AGAGAGTTTGGTCAATGATTTATAGTTCTGTGGCCCAAGCCTATCCCTGAAGACTG	983						
Db	1263	AGAGAGTTTGGTCAATGATTTATAGTTCTGTGGCCCAAGCCTATCCCTGAAGACTG	1322						
Qy	984	GGGATGGTTTCAGGATGTCACTTTTGTGACAAGGCTGTCTGTGGAATAATGGCTTCTTC	1043						
Db	1323	GGGATGGTTTCAGGATGTCACTTTTGTGACAAGGCTGTCTGTGGAATAATGGCTTCTTC	1382						
Qy	1044	TCTTACCATGCCCCAATGTTTGGCAGCACAAAATAGTAAAGCCTCTGTGACAGAG	1103						
Db	1383	TCTTACCATGCCCCAATGTTTGGCAGCACAAAATAGTAAAGCCTCTGTGACAGAG	1442						
Qy	1104	CTGTGCACTCATGAACAAATGATGTGACAGAGACTGTTTAACTCAGTGAACATGGC	1163						
Db	1443	CTGTGCACTCATGAACAAATGATGTGACAGAGACTGTTTAACTCAGTGAACATGGC	1502						
Qy	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTTGAATTT	1223						
Db	1503	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTTGAATTT	1562						
Qy	1224	GTITCCACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA	1283						
Db	1563	GTITCCACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA	1622						
Qy	1284	CAGTTTACTTATGATCAGCGCAGGATTCAGTTTCACTGACTATAGCACCAAGAGAT	1343						
Db	1623	CAGTTTACTTATGATCAGCGCAGGATTCAGTTTCACTGACTATAGCACCAAGAGAT	1682						
Qy	1344	GTCTAGTGTTCATCAGAAACATCCGCTATATGATGTGTGGAGAACAGCTACTGCTGATGCC	1403						
Db	1683	GTCTAGTGTTCATCAGAAACATCCGCTATATGATGTGTGGAGAACAGCTACTGCTGATGCC	1742						
Qy	1404	ATTTCTTCTCAGTTTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCCAACAGAACTTC	1463						
Db	1743	ATTTCTTCTCAGTTTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCCAACAGAACTTC	1802						
Qy	1464	CTAGTAATTTGTACAGATGGGAGCTCTATGATGATGTCCAAAGGCCCTCAGCTGCTGCA	1523						
Db	1803	CTAGTAATTTGTACAGATGGGAGCTCTATGATGATGTCCAAAGGCCCTCAGCTGCTGCA	1862						
Qy	1524	CATGATGAGGAATCATATCTTCTGTGTGTGGCTTGTGGGACCTCTGGATGACCTG	1583						

PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-011-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCAACATGTCGACGCTGGATGCCGGCTTC 83
DB 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCAACATGTCGACGCTGGATGCCGGCTTC 422

QY 84 GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCCGCGGCGAGGAGCGGCTCCC 143
DB 423 GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCCGCGGCGAGGAGCGGCTCCC 482

QY 144 ATTGCTATCATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCCT 203
DB 483 ATTGCTATCATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCCT 542

QY 204 TGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGPATATGCTTCT 263
DB 543 TGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGPATATGCTTCT 602

QY 264 GTATCGAGCATATGTGGGGCTGTCTCCAGGGGAGTATCAGCAACTCAGGGGACCT 323
DB 603 GTATCGAGCATATGTGGGGCTGTCTCCAGGGGAGTATCAGCAACTCAGGGGACCT 662

QY 324 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACCTATTCTCCTCAGTATGATGCAATGCAATC 383
DB 663 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACCTATTCTCCTCAGTATGATGCAATGCAATC 722

QY 384 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTCAAGTAACTAAAGCAAAAGTAGT 443
DB 723 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTCAAGTAACTAAAGCAAAAGTAGT 782

QY 444 ACACAGAGGCCACAGGACAGCATGTGTCCACAGCAGCATCCACCAACAGGTAACGACTA 503
DB 783 ACACAGAGGCCACAGGACAGCATGTGTCCACAGCAGCATCCACCAACAGGTAACGACTA 842

QY 504 AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAGACAGCATTTGCTTCTG 563
DB 843 AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAGACAGCATTTGCTTCTG 902

QY 564 ATTGATGGAAGCTTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAGAAATTTTGTGGA 623
DB 903 ATTGATGGAAGCTTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAGAAATTTTGTGGA 962

QY 624 AAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC 683
DB 963 AAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC 1022

QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAAACCTTTACATCAGCCAAAGATGTTTG 743
DB 1023 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAAACCTTTACATCAGCCAAAGATGTTTG 1082

QY 744 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGTAAATTCNAATACAGGAAAGCCTTGAAG 803
DB 1083 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGTAAATTCNAATACAGGAAAGCCTTGAAG 1142

QY 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGTG 863
DB 1143 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGTG 1202

QY 864 GTGGTGGTATTTATTCATGTTGGCCTTCTGATGACATCGAGGAAGCAGCATTTGGGCC 923
DB 1203 GTGGTGGTATTTATTCATGTTGGCCTTCTGATGACATCGAGGAAGCAGCATTTGGGCC 1262

QY 924 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCNAGCCTATCCCTGAAGACTG 983
DB 1263 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCNAGCCTATCCCTGAAGACTG 1322

QY 984 GGGATGTTTCAAGATGTCAATTTGTGACAGGCTGTCTGTCGGAATTAATGCTTCTTC 1043
DB 1323 GGGATGTTTCAAGATGTCAATTTGTGACAGGCTGTCTGTCGGAATTAATGCTTCTTC 1382

QY 1044 TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATAGTAAAGCCTCTGTGTACAGAAG 1103
DB 1383 TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATAGTAAAGCCTCTGTGTACAGAAG 1442

QY 1104 CTGTGACACTCATGAACAAATGATGTGCAGGACACCTGTTATTAACCTCAGTGAACATGGCC 1163
DB 1443 CTGTGACACTCATGAACAAATGATGTGCAGGACACCTGTTATTAACCTCAGTGAACATGGCC 1502

QY 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562

QY 1224 GTTTCACACATAGCCAAAGACTTTTGAATCTCGEACATTTGGTGCAGAGTAGCTGCTGA 1283
DB 1563 GTTTCACACATAGCCAAAGACTTTTGAATCTCGEACATTTGGTGCAGAGTAGCTGCTGA 1622

QY 1284 CAGTTTATTTATGATCAGCGCAGGAGTTTCACTTCACTGATATATAGCAACAAAGAGAT 1343
DB 1623 CAGTTTATTTATGATCAGCGCAGGAGTTTCACTTCACTGATATATAGCAACAAAGAGAT 1682

QY 1344 GTCTTAGCTGTCTATCAGAAACATCCGCTATATCAGTGTGTGGACACACTCTGCTGATGCC 1403
DB 1683 GTCTTAGCTGTCTATCAGAAACATCCGCTATATAGTGTGTGGACACACTCTGCTGATGCC 1742

QY 1404 ATTTCTTCACTGTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1463
DB 1743 ATTTCTTCACTGTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1802

QY 1464 CTAGTAATTTGTCAAGATGGGCGAGTCTTATGATGATGTCCAGGGCCCTGCGAGCTGCTGA 1523
DB 1803 CTAGTAATTTGTCAAGATGGGCGAGTCTTATGATGATGTCCAGGGCCCTGCGAGCTGCTGA 1862

QY 1524 CATGATGAGGAATCACTATCTTCTGTGTGTGTGCTTGGCACCTCTGGATGACCTG 1583
DB 1863 CATGATGAGGAATCACTATCTTCTGTGTGTGTGCTTGGCACCTCTGGATGACCTG 1922

QY 1584 AAGATATATGGCTTTTAAACCGAAGAGTCTCTATGCTTTTCTTCAAGAGAGTTCACAGGA 1643
DB 1923 AAGATATATGGCTTTTAAACCGAAGAGTCTCTATGCTTTTCTTCAAGAGAGTTCACAGGA 1982

QY 1644 TTAGAACCAATTTTCTGATGTCTATGATGATGTCCAGGGCATTTGTAGAGATTTCTTAGAATCCCAG 1703
DB 1983 TTAGAACCAATTTTCTGATGTCTATGATGATGTCCAGGGCATTTGTAGAGATTTCTTAGAATCCCAG 2042

QY 1704 CAATATGTTAACTTTTTCACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 1763
DB 2043 CAATATGTTAACTTTTTCACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 2102

QY 1764 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACTATTAAAGT 1823

Db 2103 TGTATCTCATATACTGAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAACT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTTACAGTGACCTTTGTTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTTACAGTGACCTTTGTTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
Qy 1944 CAGAAAGAGAGATATGTGGATTAACACCTTTAAGAGTTCTAACCATGGCTACTAAATG 2003
Db 2283 CAGAAAGAGAGATATGTGGATTAACACCTTTAAGAGTTCTAACCATGGCTACTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATATAAAGAAATCTGTATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATATAAAGAAATCTGTATCTTAGACCAAAAGAAACA 2402

RESULT 8

US-09-903-640-226
; Sequence 226, Application US/09903640
; Publication No. US20030017463A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,640
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-640-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 24 TCTCGACAGGTGTGACGACGCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGACGACGCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 422
Qy 84 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGGCCCGCGGCGACGAGCGCGCTCCC 143

Db 423 GGCCTCGGTGTGTCTGCTGCTGCCGGGGCCCGCGGCGACGAGGAGCGCGTCCC 482
Qy 144 ATTGCTATCAGATGTTTTTACCAGAGGCTTTGGACATCAGAAAGAGAAACAGATGTCCTC 203
Db 483 ATTGCTATCAGATGTTTTTACCAGAGGCTTTGGACATCAGAAAGAGAAACAGATGTCCTC 542
Qy 204 TGCCTCAGGGGGTGCCTCTTTCAGGAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 263
Db 543 TGCCTCAGGGGGTGCCTCTTTCAGGAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGCTGTCCACAGCGGAGTAAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGCTGTCCACAGCGGAGTAAATCAGCAACTCAGGGGACCT 562
Qy 324 GTACGAGTCTATAGGCTTACCTGGTCCAGAGAAACTATTCCTCAGTAGATGCCAATGGCATC 383
Db 663 GTACGAGTCTATAGGCTTACCTGGTCCAGAGAAACTATTCCTCAGTAGATGCCAATGGCATC 722
Qy 384 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTCTTTCACAGTAACTAAAGGCCAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTCTTTCACAGTAACTAAAGGCCAAAGTAGT 782
Qy 444 ACACAGAGGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACACTA 503
Db 783 ACACAGAGGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACACTA 842
Qy 504 AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAATAATTGGGCGAGCGCCATTTAATTTACAGNAGATTTTGTGGG 623
Db 903 ATTGATGGAAGCTTTAATAATTGGGCGAGCGCCATTTAATTTACAGNAGATTTTGTGGG 962
Qy 624 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCACTGTGGGCCCTTGTTCAGGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCACTGTGGGCCCTTGTTCAGGCC 1022
Qy 684 AGTGAACTCCCAAAATAGAAATTTTACTTTGAAAAAATTTACATCAGCCAAAGATTTTGG 743
Db 1023 AGTGAACTCCCAAAATAGAAATTTTACTTTGAAAAAATTTACATCAGCCAAAGATTTTGG 1082
Qy 744 TTTGCCATAAAGGAGTAGGTTTTCAGAGGGGGTAAATCCCAATACAGGAAAAAGCTTTGAAG 803
Db 1083 TTTGCCATAAAGGAGTAGGTTTTCAGAGGGGGTAAATCCCAATACAGGAAAAAGCTTTGAAG 1142
Qy 804 CATACTGCTCAGAAAAATTCCTCAGCGTAGATGCTGGAGTAAAGAAAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAAAATTCCTCAGCGTAGATGCTGGAGTAAAGAAAAAGGGATCCCAAGTG 1202
Qy 864 GTGTGGTATTTATTTGANGTTGGCTTCTGTGATGATCATCGAGGAGAGAGGCAATTTGGGCC 923
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Db 1263 AGAGAGTTTGGTGTCAATGTTATTTAGTTTCTGTGGCCCAAGCCCTATCCCTCAGNAGACTG 1322
Qy 984 GGGATGGTTTCAGGATGTCACTTTTGTGACAAAGGCTGCTGTGCGGAATAATGGCTTCTTTC 1043
Db 1323 GGGATGGTTTCAGGATGTCACTTTTGTGACAAAGGCTGCTGTGCGGAATAATGGCTTCTTTC 1382
Qy 1044 TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATAGTAAAGCTCTGGTACAGAAG 1103
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Qy 1104 CTGTGACCTCATGAACAAATGATGTGACAGAGCTGTTATAACTCAGTGAACATTGCC 1163
Db 1443 CTGTGACCTCATGAACAAATGATGTGACAGAGACTGTTATAACTCAGTGAACATTGCC 1502
Qy 1164 TTTTAAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223

Db 423 |||||GGCCTCGGTGTGTCTGCTGCTGCGCGGCGCGGCGAGCGGCGCTCCC 482
Qy 144 ATTGCTATACATGTTTTTACACAGAGCTTGGACATCAGGAAAGAGAAAGCAGATGCTTC 203
Db 483 ATTGCTATACATGTTTTTACACAGAGCTTGGACATCAGGAAAGAGAAAGCAGATGCTTC 542
Qy 204 TGCCAGGGGCTGCGCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 263
Db 543 TGCCACAGGGGCTGCGCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTATATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTATATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACCTATTCTCAGTAGATGCCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACCTATTCTCAGTAGATGCCAATGGCATC 722
Qy 384 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTTCAGTAACTAAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTTCAGTAACTAAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 503
Db 783 ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAATCTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAATCTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 902
Qy 564 ATTGATGGAGCTTTAATATTGGGACGCGCGGATTTAATTACAGAGAAATTTGTGGA 623
Db 903 ATTGATGGAGCTTTAATATTGGGACGCGCGGATTTAATTACAGAGAAATTTGTGGA 962
Qy 624 AAAGTGGCTCTAATGTTGGAAATTGGAAACAGAGGACCAATGCTGGCGCTTGTTCAGGCC 683
Db 963 AAAGTGGCTCTAATGTTGGAAATTGGAAACAGAGGACCAATGCTGGCGCTTGTTCAGGCC 1022
Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACTTTACATCAGCCAAAGATGTTTTG 743
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Qy 744 TTTGCCATAAGAGTAGTGTTCAGAGGGGTAAATTCGAATACAGGAAAGCCTTGAAG 803
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Qy 804 CATACTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGTG 1202
Qy 864 GTGGTGTATTTATGATGTTGGCCTTCTGATGACATCGAGAAAGCAGCATTTGGCC 923
Db 1203 GTGGTGTATTTATGATGTTGGCCTTCTGATGACATCGAGAAAGCAGCATTTGGCC 1262
Qy 924 AGAGAGTTGGTGTCAATGTAATTAAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 983
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Qy 1104 CTGTGCACTCATGAACAAATGATGTCAGCAAGCCTGTTATACCTCAGTGAACATTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTCAGCAAGCCTGTTATACCTCAGTGAACATTGCC 1502
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Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCCAAATAGCCAAAGACTTTTGAATCTCGAATCTCGAATCTGCTGCTGTA 1283
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Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCAACCAAGAGAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCAACCAAGAGAAT 1682
Qy 1344 GTCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1403
Db 1683 GTCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCCCTTCACTGTTAGAAATGTGTTTGGCCCTATAAAGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCCCTTCACTGTTAGAAATGTGTTTGGCCCTATAAAGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCCAGATGGGCGAGTCTTATGATGATGTTCCAAAGGCCCTCGAGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCCAGATGGGCGAGTCTTATGATGATGTTCCAAAGGCCCTCGAGCTGCTGCA 1862
Qy 1524 CATGATGCAGGAATCACTATCTTCTGTTGGTGTGGCTTTGGGCACTCTCTGGATGACCTG 1583
Db 1863 CATGATGCAGGAATCACTATCTTCTGTTGGTGTGGCTTTGGGCACTCTCTGGATGACCTG 1922
Qy 1584 AAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGGA 1643
Db 1923 AAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGCATTGTTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGCATTGTTAGAGATTTCTTAGAATCCCAG 2042
Qy 1704 CAATAATGTTAACTTTTGACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGTTAACTTTTGACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCAATATCTGAAATGCTTTTAGCATCTAGAAATCAGATACAAACTATTTAAGT 1823
Db 2103 TGTATTTCTCAATATCTGAAATGCTTTTAGCATCTAGAAATCAGATACAAACTATTTAAGT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT 2282
Qy 1944 CAGGAAAGAGGAGATAATGTGATTAAACCTTTAAGAGTTCTAACCATGCTCTACTAAATG 2003
Db 2283 CAGGAAAGAGGAGATAATGTGATTAAACCTTTAAGAGTTCTAACCATGCTCTACTAAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCAATAAAAGAACTCTGATCTTAGACCAAAAGCAAC 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCAATAAAAGAACTCTGATCTTAGACCAAAAGCAAC 2402

RESULT 10
US-09-906-742-226
; Sequence 226, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,742
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-742-226

Query Match
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGACAGGTGTGACGACCTATCAGTCACCAATGTCGCGACGCTGGATCCCGGCTCTC 83
Db 363 TCTTCCCGAGGTGTGACGACCTATCAGTCACCAATGTCGCGACGCTGGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGGCCCGGCGACGAGGAGCGGCTCCC 143

Db 423 GGCCTCGGTGTGTCTGCTGCTGCTGCCGGGGCCCGGCGACGAGGAGCGGCTCCC 482
QY 144 ATTGCTATCACATGTTTATACAGAGCTTTGGACATCAGGAAAGAGAAAGACAGATGTCCTC 203
Db 483 ATTGCTATCACATGTTTATACAGAGCTTTGGACATCAGGAAAGAGAAAGACAGATGTCCTC 542
QY 204 TGCCAGGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGAGGAACATAGTATATGCTTCT 263
Db 543 TGCCAGGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGAGGAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAAATCAGCAACTCAGGGGACCT 662
QY 324 GTACGAGTCTATAGCCTACCTGTCGAGAAACTATTCTCTCAGTAGATGCCATGCGATC 383
Db 663 GTACGAGTCTATAGCCTACCTGTCGAGAAACTATTCTCTCAGTAGATGCCATGCGATC 722
QY 384 CAGTCTCAATGCTTCTTAGATGCTGCTTCTTTCACAGTAACATAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAATGCTTCTTAGATGCTGCTTCTTTCACAGTAACATAAGGCAAAAGTAGT 782
QY 444 ACAAGAGGCCACAGCAAGCAGTGTCCAAGCAATCCACCAACAGGTAACGACTA 503
Db 783 ACAAGAGGCCACAGCAAGCAGTGTCCAAGCAATCCACCAACAGGTAACGACTA 842
QY 504 AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAGCAGACATTCGATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAGCAGACATTCGATTTCTG 902
QY 564 ATTGATGGAAGCTTTAATAATTGGGCGAGCCGCAATTTTACAGAAAGAAATTTGTTGGA 623
Db 903 ATTGATGGAAGCTTTAATAATTGGGCGAGCCGCAATTTTACAGAAAGAAATTTGTTGGA 962
QY 624 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCACTGTGGGCTTGTTCAGGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCACTGTGGGCTTGTTCAGGCC 1022
QY 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAGAACTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTACTTGAAGAACTTTACATCAGCCAAAGATGTTTG 1082
QY 744 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAAATTCCAATACAGAGAAAGCTTTGAAG 803
Db 1083 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAAATTCCAATACAGAGAAAGCTTTGAAG 1142
QY 804 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202
QY 864 GTGGTGGTATTTATGATGGTGGCTTCTGATGATCAGCAGGAGCAGGATTTGGCC 923
Db 1203 GTGGTGGTATTTATGATGGTGGCTTCTGATGATCAGCAGGAGCAGGATTTGGCC 1262
QY 924 AGAGAGTTTGGTGTCAATGTTATGATTTCTGTGSCCAAGCTTATCCCTGAAGAACTG 983
Db 1263 AGAGAGTTTGGTGTCAATGTTATGATTTCTGTGGCCAGGCTATCCCTGAAGAACTG 1322
QY 984 GGGATGGTTCAGGATGTCAATTTGTTGAAGAGGCTGCTGTGGGAATTAATGCTTCTTC 1043
Db 1323 GGGATGGTTCAGGATGTCAATTTGTTGAAGAGGCTGCTGTGGGAATTAATGCTTCTTC 1382
QY 1044 TCTTACCACATGCCCAATGGTTTGGCACCACCAAAATAGTAAGCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCAATGGTTTGGCACCACCAAAATAGTAAGCTCTGGTACAGAAG 1442
QY 1104 CTGTGCACTCATGAACAATGATGTCAGCAAGACCTGTTATAACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAATGATGTCAGCAAGACCTGTTATAACTCAGTGAACATTTGCC 1502
QY 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGTGGAGTAGCAATTTCCGCTCATGCTTGAATTT 1223

Db 1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
QY 1224 GTTTCCAACATAGCCAAAGACTTTTGAATCTCGGAATTTGGTGCCAAAGATAGTCTGTGTA 1283
Db 1563 GTTTCCAACATAGCCAAAGACTTTTGAATCTCGGAATTTGGTGCCAAAGATAGTCTGTGTA 1622
QY 1284 CAGTCTTACTTATGATCAGCGCAGGAGTTCAGTTTTTCACTGACTATAGCACCACCAAGAGAA 1343
Db 1623 CAGTCTTACTTATGATCAGCGCAGGAGTTCAGTTTTTCACTGACTATAGCACCACCAAGAGAA 1682
QY 1344 GTCTAGTCTCATCAGAAACATCCGCTATATAGTGGTGGGAACAGCTACTGTGTATGCC 1403
Db 1683 GTCTAGTCTCATCAGAAACATCCGCTATATAGTGGTGGGAACAGCTACTGTGTATGCC 1742
QY 1404 ATTTCTTCTACTGTGTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCGCCAACAAAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTGTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCGCCAACAAAGAACTTC 1802
QY 1464 CTAGTAATTTCTCAGATGGCAGTCTCTATGATGATGTCCAAAGGCCCTGCAGCTGTGCA 1523
Db 1803 CTAGTAATTTCTCAGATGGCAGTCTCTATGATGATGTCCAAAGGCCCTGCAGCTGTGCA 1862
QY 1524 CATGATCGAGGAATCACTATCTCTCTGTTGGTGTGGCTTTGGSCACCTCTGGATGACCTG 1583
Db 1863 CATGATCGAGGAATCACTATCTCTCTGTTGGTGTGGCTTTGGSCACCTCTGGATGACCTG 1922
QY 1584 AAGATATGGCTTCAAACGAGAGGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA 1643
Db 1923 AAGATATGGCTTCAAACGAGAGGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA 1982
QY 1644 TTAGAACAATTTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACAATTTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCAG 2042
QY 1704 CAATAATCGTAACTTTTGAACAATGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG 1763
Db 2043 CAATAATCGTAACTTTTGAACAATGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG 2102
QY 1764 TGTATTTCTCATATACATGTAATGCTTTAGCATACTAGAAATCAGATACAAACTTAAAGT 1823
Db 2103 TGTATTTCTCATATACATGTAATGCTTTAGCATACTAGAAATCAGATACAAACTTAAAGT 2162
QY 1824 ATGTCAACAGCAATTTAGGCAATAAGCACTCTTTTAAAGCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCAATTTAGGCAATAAGCACTCTTTTAAAGCGCTGCTTCTGGTTACAA 2222
QY 1884 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCTAATCATGGCTCTTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCTAATCATGGCTCTTTAGAACT 2282
QY 1944 CAGGAAGAGAGATATGTTGGATTAACCTTAAAGTTTCTAACCATGCTCTAAATG 2003
Db 2283 CAGGAAGAGAGATATGTTGGATTAACCTTAAAGTTTCTAACCATGCTCTAAATG 2342
QY 2004 TACAGATATGCAATTTCAATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCAATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 11

US-09-906-838-226
; Sequence 226 Application US/09906838
; Publication No. US20030027143A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Paoni, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCCAGCAGGTGTGAGCAGCTTATCAGTCACCATGTCCGACGCTTGGATCCGGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCTTATCAGTCACCATGTCCGACGCTTGGATCCGGGCTCTC 422
QY 84 GGCCTCGGTGTGTGTCTGTCTGTCTGTCGCCGGGGCCCGGGGCGAGGAGGCGGCTCCC 143

144	ATGCTATCACATGTTTTCACAGAGCTTTGGACATCAGAGAAAGAGAAACAGAGATGTCTCTC	203
QY		
483	ATTGCTATCACATGTTTACCAGAGGCTTTGGACATCAGGAAAGAGAAACAGATGTCTCTC	542
Db		
204	TGCCACGGGGCTGCCCCCTCTTGAGGAATTTCTCTGTGTATGGGACATAGTATATGCTTCT	263
QY		
543	TGCCACGGGGCTGCCCCCTCTTGAGGAATTTCTCTGTGTATGGGACATAGTATATGCTTCT	602
Db		
264	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGGACCT	323
QY		
603	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGGACCT	662
Db		
324	GTACGAGTCTATAGCCCTACCTGGTCCAGAAAACTATTCTCTCAGTAGATGCCAAATGGGATC	383
QY		
663	GTACGAGTCTATAGCCCTACCTGGTCCAGAAAACTATTCTCTCAGTAGATGCCAAATGGGATC	722
Db		
384	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTCACAGTAACATAAAGGCAAAAGTAGT	443
QY		
723	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTCTTCACAGTAACATAAAGGCAAAAGTAGT	782
Db		
444	ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACGAGTAAACGACTA	503
QY		
783	ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACGAGTAAACGACTA	842
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504	AAGAAAAACACCGGAGAGAAAACTGGCAATAAAGATTGTAAGACGACATTTGCATTTCTG	563
QY		
843	AAGAAAAACACCGGAGAGAAAACTGGCAATAAAGATTGTAAGACGACATTTGCATTTCTG	902
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564	ATTGATGAGAGCTTTTAATATTTGGGCAGCGCCGATTTAAATTTACAGAGAATTTTGTGGA	623
QY		
903	ATTGATGAGAGCTTTTAATATTTGGGCAGCGCCGATTTAAATTTACAGAGAATTTTGTGGA	962
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624	AAAGTGGCTCTAATGTTTGGAAATTGGAAACAGAAAGGACCAATGTGGGCCCTTGTTCAGGC	683
QY		
963	AAAGTGGCTCTAATGTTTGGAAATTGGAAACAGAAAGGACCAATGTGGGCCCTTGTTCAGGC	1022
Db		
684	AGTGAAATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAAGATGTTTG	743
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1023	AGTGAAATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAAGATGTTTG	1082
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744	TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGTPAATTCCAAATACAGGAAAAAGCTTTGAAG	803
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1083	TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGTPAATTCCAAATACAGGAAAAAGCTTTGAAG	1142
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804	CATCTGCTCAGAAATTTCTTCAAGGTAGATCTGGAGTAGAAAGGATCCCCAAAGTG	863
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1143	CATCTGCTCAGAAATTTCTTCAAGGTAGATCTGGAGTAGAAAGGATCCCCAAAGTG	1202
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864	GTGTGTGTATTTATTTGATGTTTGGCCCTCTTGATGACATCGAGGAAGCAGGCATTTGTGCC	923
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1203	GTGTGTGTATTTATTTGATGTTTGGCCCTCTTGATGACATCGAGGAAGCAGGCATTTGTGCC	1262
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924	AGAGAGTTTGTGTCAATGTATTTATAGTTTCTGTGGCCAGCCATTCCTCGAAGACTG	983
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1263	AGAGAGTTTGTGTCAATGTATTTATAGTTTCTGTGGCCAGCCATTCCTCGAAGACTG	1322
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984	GGGATGTTTCAGGATGTCAATTTGTTGACAAGGCTGTCTGTCGGAAATAATGGCTTCTTC	1043
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1044	TCTTACCACATGCCCACTGGTGTGGCAACCAAAAAATAGTAAAGCCTCTGGTACAGAG	1103
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1383	TCTTACCACATGCCCACTGGTGTGGCAACCAAAAAATAGTAAAGCCTCTGGTACAGAG	1442
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QY		
1443	CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAACTCAGTGAACATTTGCC	1502
Db		
1164	TTTCTAAATGTGCTCCAGCAGTGTGTGGAGATAGCAAAATTTCCGCCCTCATGCTTGAATTT	1223
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QY 1224 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATTCGGTCCAAAGATAGCTGCTGTA 1283
Db 1563 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATTCGGTCCAAAGATAGCTGCTGTA 1622
QY 1284 CAGTTTACTATGATCAGCCGACGGAGTTTCACTTCTACTGACTATAGCACAAGAGAAT 1343
Db 1623 CAGTTTACTATGATCAGCCGACGGAGTTTCACTTCTACTGACTATAGCACAAGAGAAT 1682
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QY 1404 ATTTCTTCTACTGTTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCCAACAAGAACTTC 1463
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Db 1803 CTAGTAATTTGTCAGATGGGCACTCTCTCTGTTGGTGGTGGTGGTGGTGGTGGTGGTGG 1862
QY 1524 CATGATCAGGAATCACTATCTCTCTGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1583
Db 1863 CATGATCAGGAATCACTATCTCTCTGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1922
QY 1584 AAAGATATGCTTTCTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA 1643
Db 1923 AAAGATATGCTTTCTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA 1982
QY 1644 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
QY 1704 CAATAATGGTAACTTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGGTAACTTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 2102
QY 1764 TGTAATCTCATAACTGTAATGCTTTAGCATACTAGAACTCAGATACAAACTATTAAAT 1823
Db 2103 TGTAATCTCATAACTGTAATGCTTTAGCATACTAGAACTCAGATACAAACTATTAAAT 2162
QY 1824 ATGTCAACGCCAATTTAGGCAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACGCCAATTTAGGCAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
QY 1884 TTTACAGTGACTTTGTTAAACACCTGTCAGCTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGACTTTGTTAAACACCTGTCAGCTTCATAATCATGGCTCTTAGAACT 2282
QY 1944 CAGAAAGAGAGATATGAGGATTAACCTTTAAAGCTTTAAAGCTTTAAAGCTTTAAAGCT 2003
Db 2283 CAGAAAGAGAGATATGAGGATTAACCTTTAAAGCTTTAAAGCTTTAAAGCTTTAAAGCT 2342
QY 2004 TACAGATATCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 13
US-09-907-942-226
; Sequence 226, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR FILING DATE: 1999-11-30
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-942-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATTCGCGAGCCTTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATTCGCGAGCCTTGGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTGCTGTGCTGCGGGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 143
Db 423 GGCCTCGGTGTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 482
QY 144 ATTGCTATCAGCATGTTTACCAGAGGCTTTGGACATCAGGAAGAGAAAGCAGATGTCTCT 203

Db 483 ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGGAAAGAGACGATGCTTC 542
Qy 204 TGCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATGCTTCT 263
Db 543 TGCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGCTATAGCTACCTGTGCGAGAAAATATTCTCCTCAGTAGATGCCATGCATC 383
Db 663 GTACGAGCTATAGCTACCTGTGCGAGAAAATATTCTCCTCAGTAGATGCCATGCATC 722
Qy 384 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTCAAGTAACTAAAGSCAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTCAAGTAACTAAAGSCAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGGACAGCATGTGTCCACAGCACATCCACCAACAGGTAACGACTA 503
Db 783 ACACAGAGGCCACAGGACAGCATGTGTCCACAGCACATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAAATCTGGCAATAAAGATTTGTAAGCAGACATTTGCATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAAATCTGGCAATAAAGATTTGTAAGCAGACATTTGCATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGATTTGTGGA 623
Db 903 ATTGATGGAAGCTTTAAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGATTTGTGGA 962
Qy 624 AAGTGCTCTAATGTTGGAAATTTGGAACAGAGGACCAATGTGGCCCTTGTTCAGCC 683
Db 963 AAGTGCTCTAATGTTGGAAATTTGGAACAGAGGACCAATGTGGCCCTTGTTCAGCC 1022
Qy 684 AGTGAAACATCCAAAATAGAAATTTTACTGAAATACTTTACATCAGCCAAAGATGTTTTG 743
Db 1023 AGTGAAACATCCAAAATAGAAATTTTACTGAAATACTTTACATCAGCCAAAGATGTTTTG 1082
Qy 744 TTTGCCATAAGGAAGTAGTTTCAGAGGGGGTAATTTCCAATACAGAAAGCCTTGAAG 803
Db 1083 TTTGCCATAAGGAAGTAGTTTCAGAGGGGGTAATTTCCAATACAGAAAGCCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATTTGATGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGTGCC 923
Db 1203 GTGGTGGTATTTATTTGATGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGTGCC 1262
Qy 924 AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
Db 1263 AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGCTCAGGATGTCACATTTGTTGACAGGCTGCTGTGGATATATGCTTCTTC 1043
Db 1323 GGGATGCTCAGGATGTCACATTTGTTGACAGGCTGCTGTGGATATATGCTTCTTC 1382
Qy 1044 TCTTACCACATGCCCAACTGTTTGGCACCAACAAATACGTAAAGCCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCAACTGTTTGGCACCAACAAATACGTAAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTAATGAACAAATGATGTGAGCAAGACCTGTTATTAATCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTAATGAACAAATGATGTGAGCAAGACCTGTTATTAATCAGTGAACATTTGCC 1502
Qy 1164 TTTTCTAATGATGCTCCAGCAGTTTGGAGTAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db 1503 TTTTCTAATGATGCTCCAGCAGTTTGGAGTAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACATAGCCAAAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGCTGTA 1283

Db 1563 GTTTCACATAGCCCAAGACTTTTGAATCTCGGACATTTGGTGCCCAAGATAGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGACCGAGTTTCACTTTCACTGACTATAGACACAAAGAGAT 1343
Db 1623 CAGTTTACTTATGATCAGCGACCGAGTTTCACTTTCACTGACTATAGACACAAAGAGAT 1682
Qy 1344 GTTCTAGCTGCTCATCAGAAACATCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1403
Db 1683 GTTCTAGCTGCTCATCAGAAACATCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCTCTTCACTGTTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGTCTCAAGGGCCCTGACGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGTCTCAAGGGCCCTGACGCTGCTGCA 1862
Qy 1524 CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGACCTCTGATGACCTG 1583
Db 1863 CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGACCTCTGATGACCTG 1922
Qy 1584 AAAGATATGGCTTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGA 1643
Db 1923 AAAGATATGGCTTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGATGTCAATCAGAGCCATTTGTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCAATCAGAGCCATTTGTAGAGATTTCTTAGAATCCCAG 2042
Qy 1704 CAATATGTTAACTTTTGACAACTTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGTTAACTTTTGACAACTTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGCAATCAGATACAAAACCTATTAACT 1823
Db 2103 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGCAATCAGATACAAAACCTATTAACT 2162
Qy 1824 ATGTCAAGCCATTTAGCAATTAAGCACTCTTTTAAAGCCGCTTCTGTTTACAA 1883
Db 2163 ATGTCAAGCCATTTAGCAATTAAGCACTCTTTTAAAGCCGCTTCTGTTTACAA 2222
Qy 1884 TTTTCACTGCTACTTTTGTAAAAACACTGCTGAGGCTTCATAATCATGCTCTTAGAACT 1943
Db 2223 TTTTCACTGCTACTTTTGTAAAAACACTGCTGAGGCTTCATATCATGCTCTTAGAACT 2282
Qy 1944 CAGGAAAGAGAGATAATGTGAATTAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2003
Db 2283 CAGGAAAGAGAGATAATGTGAATTAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2342
Qy 2004 TACAGATGCAATTTCCATAGCTCAATAAAGAACTCTGATACTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATGCAATTTCCATAGCTCAATAAAGAACTCTGATACTTAGACCAAAAGCAACA 2402

RESULT 14
US-09-904-859-226
; Sequence 226, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,859
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-859-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGGATCCCGGCTCTC 422
Qy 84 GGCCCTCGGTGTGTCTGTCTGTCTGCCGGGGCCCGGGGAGCGGAGCGGCTCCC 143
Db 423 GGCCCTCGGTGTGTCTGTCTGTCTGCCGGGGCCCGGGGAGCGGAGCGGCTCCC 482
Qy 144 ATTGCTATCATGTTTACCAGAGGCTTGGACATCAGGAAAGAGGAGCAGATGTCCTC 203

Db 483 ATTGCTATCATGTTTACCAGAGGCTTGGACATCAGGAAAGAGGAGCAGATGTCCTC 542
Qy 204 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 263
Db 543 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCTACTCTGTTCAGAAAACTATCTCTCAGTAGATGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCTACTCTGTTCAGAAAACTATCTCTCAGTAGATGCAATGGCATC 722
Qy 384 CAGTCTCAATGCTTCTTAGATGCTCTCTTTCACAGTAACCTAAAGGCAAACTAGT 443
Db 723 CAGTCTCAATGCTTCTTAGATGCTCTCTTTCACAGTAACCTAAAGGCAAACTAGT 782
Qy 444 ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 503
Db 783 ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAAAACCCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 563
Db 843 AAGAAAAACCCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 902
Qy 564 ATTGATGGAAGCTTTTAATTTGGGCGAGCCCGATTAAATTTACAGAAGAAATTTGTTGA 623
Db 903 ATTGATGGAAGCTTTTAATTTGGGCGAGCCCGATTAAATTTACAGAAGAAATTTGTTGA 962
Qy 624 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACACATGTGGGCCCTTGTTCAGGC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACACATGTGGGCCCTTGTTCAGGC 1022
Qy 684 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTGCGCATAAAGAGTAGTGTTCAGAGGGGTAAATCCAAATACAGAAAAAGCCTTGAAG 803
Db 1083 TTGCGCATAAAGAGTAGTGTTCAGAGGGGTAAATCCAAATACAGAAAAAGCCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTTTCAGCGTAGATGCTGGAGTAAGAAAAAGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTTCAGCGTAGATGCTGGAGTAAGAAAAAGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATTGATGTTGGCCTTCTGATGACATCGAGGAACAGGCAATTTGGCC 923
Db 1203 GTGGTGGTATTTATTGATGTTGGCCTTCTGATGACATCGAGGAACAGGCAATTTGGCC 1262
Qy 924 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
Db 1263 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGGGAATATGCTTCTTTC 1043
Db 1323 GGGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGGGAATATGCTTCTTTC 1382
Qy 1044 TCTTACACATGCCCAACTGGTTTGGCACCACAAAAATAGCTAAAGCCTCTGGTACAGAAG 1103
Db 1383 TCTTACACATGCCCAACTGGTTTGGCACCACAAAAATAGCTAAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATATGATGTCAGCAAGACCTGTTTAACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATATGATGTCAGCAAGACCTGTTTAACTCAGTGAACATTTGCC 1502
Qy 1164 TTTCTAAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
Db 1503 TTTCTAAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACACATGCCCAAGACTTTTGAATCTCGGAATTTGGTGGCCAAAGATGCTGCTGA 1283

Db 1563 GTTTCACATAGCCAGAGCTTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCCACGGAGTTTCACTTTTCACTGACTATATGACCAAGAGAT 1343
Db 1623 CAGTTTACTTATGATCAGCCACGGAGTTTCACTTTTCACTGACTATATGACCAAGAGAT 1682
Qy 1344 GTCTAGCTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGTGTGATGCC 1403
Db 1683 GTCTAGCTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGTGTGATGCC 1742
Qy 1404 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATATAAGGAGAGCCCCCAACAAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATATAAGGAGAGCCCCCAACAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCACAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCGAGCTGTCGA 1523
Db 1803 CTAGTAATTTGTCACAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCGAGCTGTCGA 1862
Qy 1524 CATGATGCGAGAACTCATATCTTCTCTGTTGGTGGCTTGGGCACCTCTGGATGACCTG 1583
Db 1863 CATGATGCGAGAACTCATATCTTCTCTGTTGGTGGCTTGGGCACCTCTGGATGACCTG 1922
Qy 1584 AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCA CAGGA 1643
Db 1923 AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCA CAGGA 1982
Qy 1644 TTAGAACCAATTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 1703
Db 1983 TTAGAACCAATTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 2042
Qy 1704 CAATAATGGTAACTTTTGACAACTGAAAGAAAAGTACAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGGTAACTTTTGACAACTGAAAGAAAAGTACAAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTAATCTCATATACATAAGTCTTTAGCATACTAGAACTCAGATACAAAACTATTAACT 1823
Db 2103 TGTAATCTCATATACATAAGTCTTTAGCATACTAGAACTCAGATACAAAACTATTAACT 2162
Qy 1824 ATGTCAACGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTGTTTACAA 1883
Db 2163 ATGTCAACGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTGTTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTAAAAACACTGTGAGGCTTTCATAATCATGGCTCTTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTAAAAACACTGTGAGGCTTTCATAATCATGGCTCTTTAGAACT 2282
Qy 1944 CAGAAAGAGGAGATTAATGTGGATTAAACCTTTAAGAGTTCTAAACCATGCTACTAAATG 2003
Db 2283 CAGAAAGAGGAGATTAATGTGGATTAAACCTTTAAGAGTTCTAAACCATGCTACTAAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTAGACCAAAAGCAACA 2402

RESULT 15

US-09-909-204-226
; Sequence 226, Application US/0909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-204-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 24 TCTCCAGCAGGTGTGTCAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGCAGGTGTGTCAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 422
Qy 84 GGCCTCGGTGTGTGTCTGTCTGTCTGCGGGGCCCCGGGGCAGCGAGGAGCCGCTCCC 143
Db 423 GGCCTCGGTGTGTGTCTGTCTGTCTGCGGGGCCCCGGGGCAGCGAGGAGCCGCTCCC 482
Qy 144 ATTGCTATCATCATGTTTTCACAGAGGCTTGGACATCAGAGAAAGAGAAAGAGATGTCCTC 203
Db 483 ATTGCTATCATCATGTTTTCACAGAGGCTTGGACATCAGAGAAAGAGAAAGAGATGTCCTC 542

Qy	204	TGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGCAACATAGTATATGCTTCT	263
Db	543	TGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGCAACATAGTATATGCTTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	662
Qy	324	GTACGAGCTATAGCTTACCTGCTGCGAGAAACTTATTCCTCAGTATGCAATGCAATC	383
Db	663	GTACGAGCTATAGCTTACCTGCTGCGAGAAACTTATTCCTCAGTATGCAATGCAATC	722
Qy	384	CAGTCTCAAAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAATCAGGCAAAAGTAGT	443
Db	723	CAGTCTCAAAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAATCAGGCAAAAGTAGT	782
Qy	444	ACACAGAGGCCACAGGACAGAGTGTCCACAGCACATCCACACAGGTAACAGCTA	503
Db	783	ACACAGAGGCCACAGGACAGAGTGTCCACAGCACATCCACACAGGTAACAGCTA	842
Qy	504	AAGAAACACCCGAGAGAAACTTGGCAATAAAGATTGTAAAGCAGACATGTCATTTCTG	563
Db	843	AAGAAACACCCGAGAGAAACTTGGCAATAAAGATTGTAAAGCAGACATGTCATTTCTG	902
Qy	564	ATTGATGGAAAGCTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAAATTTTGTGGA	623
Db	903	ATTGATGGAAAGCTTTAATATTGGGCGAGCGCGATTTAAATTTACAGAAATTTTGTGGA	962
Qy	624	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGCGGCCCTTGTTCAGGC	683
Db	963	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGCGGCCCTTGTTCAGGC	1022
Qy	684	AGTGACATCCCAATAGAAATTTACTTGAAATTTTACATCAGCCAAAGATGTTTG	743
Db	1023	AGTGACATCCCAATAGAAATTTACTTGAAATTTTACATCAGCCAAAGATGTTTG	1082
Qy	744	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGTAAATTTCCAATACAGGAAAGCTTTGAAG	803
Db	1083	TTTGCCATAAGGAAGTAGGTTTTCAGAGGGGTAAATTTCCAATACAGGAAAGCTTTGAAG	1142
Qy	804	CATCTGCTCAGAAATTTCTTCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	863
Db	1143	CATCTGCTCAGAAATTTCTTCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	1202
Qy	864	GTGCTGTAATTTATGATGCTGCGCTTCTGATGACATCGAGAACGACATGTTGGCC	923
Db	1203	GTGCTGTAATTTATGATGCTGCGCTTCTGATGACATCGAGAACGACATGTTGGCC	1262
Qy	924	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG	983
Db	1263	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG	1322
Qy	984	GGATGTTTCAAGATGTCATTTGTTGACAGGCTGTCTGCGGAATATGCTTCTTC	1043
Db	1323	GGATGTTTCAAGATGTCATTTGTTGACAGGCTGTCTGCGGAATATGCTTCTTC	1382
Qy	1044	TCTTACACATGCCCACCTGGTTTGGCACCAAAATACGTAAGCTCTGGTACAGAG	1103
Db	1383	TCTTACACATGCCCACCTGGTTTGGCACCAAAATACGTAAGCTCTGGTACAGAG	1442
Qy	1104	CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTATTAATCAGTGAACATTTGCC	1163
Db	1443	CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTATTAATCAGTGAACATTTGCC	1502
Qy	1164	TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1223
Db	1503	TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1562
Qy	1224	GTTCACACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGCTGTA	1283
Db	1563	GTTCACACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGCTGTA	1622

Qy	1284	CAGTTTATTTATGATCAGCGCACGGAGTTTCACTTTCATCTGATATAGCAACCAAGAGAAT	1343
Db	1623	CAGTTTATTTATGATCAGCGCACGGAGTTTCACTTTCATCTGATATAGCAACCAAGAGAAT	1682
Qy	1344	GTCTTAGCTGTATCAGAAACATCCGCTATATAGTGTGGTGGAAACAGCTACTGCTGATGCC	1403
Db	1683	GTCTTAGCTGTATCAGAAACATCCGCTATATAGTGTGGTGGAAACAGCTACTGCTGATGCC	1742
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 11:58:28 ; Search time 6390 Seconds
(without alignments)

16188.669 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

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; Sequence 1, Application US/09394264
; GENERAL INFORMATION:
; APPLICANT: Morton, Cynthia C.
; APPLICANT: Robertson, Nahid G.
; TITLE OF INVENTION: NOVEL COCHLEAR GENE COCH5B2 AND USES THEREOF
; FILE REFERENCE: 10286/008001
; CURRENT APPLICATION NUMBER: US/09/394,264
; CURRENT FILING DATE: 1999-09-10
; EARLIER APPLICATION NUMBER: US 60/102,343
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS

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; APPLICANT: Rosenthal, Andre
; APPLICANT: Hermann, Klaus
; APPLICANT: Heiden, Esmeralda
; APPLICANT: Pilarsky, Christian
; APPLICANT: Brummendorf, Thomas
; APPLICANT: Staub, Eike
; APPLICANT: Ropcke, Stefan
; APPLICANT: Mennerich, Detlev
; APPLICANT: Kinnemann, Henrik
; APPLICANT: Li, Xinzhong
; TITLE OF INVENTION: Human nucleic acid sequences from lung tumours
; FILE REFERENCE: 00154/002001
; CURRENT APPLICATION NUMBER: US/10/821,801
; CURRENT FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: DE 103 16 701.3
; PRIOR FILING DATE: 2003-04-09
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: PatentIn version 3.2
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; ORGANISM: Homo Sapiens
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Db 721 TTACATCAGCCAAAGATGTTTTGTTGCCATAAGGAAGTAGTTTTCAGAGGGGGTAATT 780
QY 781 CCAATACAGAAAGCCTTGAAGCATACTGCTCAGAAAATCTTCACGGTAGATGCTGGAG 840
Db 781 CCAATACAGAAAGCCTTGAAGCATACTGCTCAGAAAATCTTCACGGTAGATGCTGGAG 840
QY 841 TAAGAAAGGGATCCCAAGAGTGGTGGTATTTATTTGATGTTGGCTTTCGATGACA 900
Db 841 TAAGAAAGGGATCCCAAGAGTGGTGGTATTTATTTGATGTTGGCTTTCGATGACA 900
QY 901 TCAGGAAGCAGGATTTGTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGG 960
Db 901 TCAGGAAGCAGGATTTGTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGG 960
QY 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTGAGGATGTCATTTGTTTGA CAAGGCTG 1020
Db 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTGAGGATGTCATTTGTTTGA CAAGGCTG 1020
QY 1021 TCTGTGCGAATAATGCTCTCTCTTACCAATGCCCAACTGGTGTGGCACCACAAAAT 1080
Db 1021 TCTGTGCGAATAATGCTCTCTCTTACCAATGCCCAACTGGTGTGGCACCACAAAAT 1080
QY 1081 ACGTAAAGCCTCTGTGTACAGAACTGTGCACTCATGAACAAATGATGTG CAGCAACCT 1140
Db 1081 ACGTAAAGCCTCTGTGTACAGAACTGTGCACTCATGAACAAATGATGTG CAGCAACCT 1140
QY 1141 GTTATAACTCAGTGAAATGTCCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA 1200
Db 1141 GTTATAACTCAGTGAAATGTCCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA 1200
QY 1201 ATTTCCGCTCATGCTTGAATTTGTTCCACATAGCCAGACTTTTGA AATCTCGGACA 1260
Db 1201 ATTTCCGCTCATGCTTGAATTTGTTCCACATAGCCAGACTTTTGA AATCTCGGACA 1260
QY 1261 TTGGTCCAAAGATAGCTGTGTACAGTTTACTTTATGATCAGCGCAGGAGTT CAGTTTCA 1320
Db 1261 TTGGTCCAAAGATAGCTGTGTACAGTTTACTTTATGATCAGCGCAGGAGTT CAGTTTCA 1320
QY 1321 CTGACTATAGCA CAAAGAGAATGTCCTAGCTGTCAATCAGAAACATCCGCTATATGAGTG 1380
Db 1321 CTGACTATAGCA CAAAGAGAATGTCCTAGCTGTCAATCAGAAACATCCGCTATATGAGTG 1380
QY 1381 GTGGAACAGCTACTGTGTGATGCCATTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1440
Db 1381 GTGGAACAGCTACTGTGTGATGCCATTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1440
QY 1441 GGGAGAGCCCCAACAGAACTTCTCTAGTAATTTGTCACAGATGGGAGTCTCTATGATG 1500

Db 1441 GGGAGAGCCCCAACAGAACTTCTCTAGTAATTTGTCACAGATGGGAGTCTCTATGATG 1500
QY 1501 TTCAAAGCCCTCAGCTGCTGCACATGATGCAGGAATCACTATCTTCTCTGTTGGTGG 1560
Db 1501 TTCAAAGCCCTCAGCTGCTGCACATGATGCAGGAATCACTATCTTCTCTGTTGGTGG 1560
QY 1561 CTTGGGCACTCTCGGATGACCTGAAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1561 CTTGGGCACTCTCGGATGACCTGAAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
QY 1621 TCTTCA CAAGAGAGTTCA CAGGATAGAAACCAATTTGTTCTGATGTCATCAGAGGCATTT 1680
Db 1621 TCTTCA CAAGAGAGTTCA CAGGATAGAAACCAATTTGTTCTGATGTCATCAGAGGCATTT 1680
QY 1681 GTAGAGATTTCTTAGNATCCAGAGCAATAGTGTAACTTTTGACAACTGAAAGAAAAGT 1740
Db 1681 GTAGAGATTTCTTAGAATCCAGCAATAGTGTAACTTTTGACAACTGAAAGAAAAGT 1740
QY 1741 ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATACTGAAATGCTTTTAGCATACTAG 1800
Db 1741 ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATACTGAAATGCTTTTAGCATACTAG 1800
QY 1801 AATCAGATACAAAACCTATTAAAGTATGTCAACAGCCATTTTAGGCAAAATAAGCACTCCTTTA 1860
Db 1801 AATCAGATACAAAACCTATTAAAGTATGTCAACAGCCATTTTAGGCAAAATAAGCACTCCTTTA 1860
QY 1861 AAGCCGCTGCTTCTGGTTTACAAATTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTT 1920
Db 1861 AAGCCGCTGCTTCTGGTTTACAAATTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTT 1920
QY 1921 CATATCATGGCTCTTTAGAAAACCTCAGGAAAGAGGAGATAAATGTGGATTA AAAACCTTTAAGA 1980
Db 1921 CATATCATGGCTCTTTAGAAAACCTCAGGAAAGAGGAGATAAATGTGGATTA AAAACCTTTAAGA 1980
QY 1981 GTTCTAAACCATCCCTACTAAATGTACAGATATGCATAATGCCAATTCATAGCTCAATAAAAGATC 2040
Db 1981 GTTCTAAACCATCCCTACTAAATGTACAGATATGCATAATGCCAATTCATAGCTCAATAAAAGATC 2040
QY 2041 TGATACTTAGACAAAAGCAACATTCGTTCTCTTAACCACTTCGTATTGATTTATATAAGCA 2100
Db 2041 TGATACTTAGACAAAAGCAACATTCGTTCTCTTAACCACTTCGTATTGATTTATATAAGCA 2100
QY 2101 AAATGAAAGAGAAAACCTTAAATGAAACACAGCTCTTTTAAACATGTTTCAGGTACACATATT 2160
Db 2101 AAATGAAAGAGAAAACCTTAAATGAAACACAGCTCTTTTAAACATGTTTCAGGTACACATATT 2160
QY 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGCAGACTA 2220
Db 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGCAGACTA 2220
QY 2221 TAAATCTGGATATAGAAAGGAGACTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA 2280
Db 2221 TAAATCTGGATATAGAAAGGAGACTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA 2280
QY 2281 CAACTTATGACTTAAATAATATCACCTGAAATAGAGAGGAGGATTCGACGATATTTTCTA 2340
Db 2281 CAACTTATGACTTAAATAATATCACCTGAAATAGAGAGGAGGATTCGACGATATTTTCTA 2340
QY 2341 TTTCTCTCTCTTAAATTTTATATATATATATATATTTTGGCTTATATTTCTAAGTCACTAA 2400
Db 2341 TTTCTCTCTCTTAAATTTTATATATATATATATTTTGGCTTATATTTCTAAGTCACTAA 2400
QY 2401 GTACTTAAAGATTAAGTTGGTAAAGATTTTACTGCTGCTTTATAAACATTTTAAAGACAAA 2460
Db 2401 GTACTTAAAGATTAAGTTGGTAAAGATTTTACTGCTGCTTTATAAACATTTTAAAGACAAA 2460
QY 2461 GACATTTCAATAACTGACAGAAAATATTTGATGTTTGAATTTTAAAGCAATAAAGTGC 2520
Db 2461 GACATTTCAATAACTGACAGAAAATATTTGATGTTTGAATTTTAAAGCAATAAAGTGC 2520
QY 2521 TAGTCAGTTATTGT 2534

Qy 1741 ACAAGGGGATCCAGTGTGTAATGTTATCTCATATACTCAAAATGCTTTAGCATACTAG 1800
Db |||||
Qy 1741 ACAAGGGGATCCAGTGTGTAATGTTATCTCATATACTCAAAATGCTTTAGCATACTAG 1800
Db |||||
Qy 1801 AATCAGATACAAAATTAAGTATGTCACAGGCATTTAGGCAAAATAGCACTCTCTTTA 1860
Db |||||
Qy 1801 AATCAGATACAAAATTAAGTATGTCACAGGCATTTAGGCAAAATAGCACTCTCTTTA 1860
Db |||||
Qy 1861 AAGCGCTGCTCTCTGTTTAACTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTT 1920
Db |||||
Qy 1861 AAGCGCTGCTCTCTGTTTAACTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTT 1920
Db |||||
Qy 1921 CATATCATGCTCTTTAGAACTCAGGAAAGAGGAGATAATGTGGATTTAAACCTTTAAGA 1980
Db |||||
Qy 1921 CATATCATGCTCTTTAGAACTCAGGAAAGAGGAGATAATGTGGATTTAAACCTTTAAGA 1980
Db |||||
Qy 1981 GTTCTAACCATGCTCTTAAATGACAGATATGCAATTCATAGCTCAATATAAGAAATC 2040
Db |||||
Qy 1981 GTTCTAACCATGCTCTTAAATGACAGATATGCAATTCATAGCTCAATATAAGAAATC 2040
Db |||||
Qy 2041 TGATACCTTACACAAAAGCAACATTCCTTCTTAAACCATCTGTATTGATTATATAGCA 2100
Db |||||
Qy 2041 TGATACCTTACACAAAAGCAACATTCCTTCTTAAACCATCTGTATTGATTATATAGCA 2100
Db |||||
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTCAGGTACACATATTT 2160
Db |||||
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTCAGGTACACATATTT 2160
Db |||||
Qy 2161 TGACCCAAAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTAAGCACTA 2220
Db |||||
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACTGCTTTTGTAGTGTGTTTCTATA 2280
Db |||||
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACTGCTTTTGTAGTGTGTTTCTATA 2280
Db |||||
Qy 2281 CAACCTATGATATAAATATACACTGAATAGAGAGCAGGATTCAGGATATTTTCTA 2340
Db |||||
Qy 2281 CAACCTATGATATAAATATACACTGAATAGAGAGCAGGATTCAGGATATTTTCTA 2340
Db |||||
Qy 2341 TTCTCTCTTAAATTTAT 2400
Db |||||
Qy 2401 GTACTTAAAGTTAAGTTGCTAAGTATTTACTGACTGTATATATATATATATATATAT 2460
Db |||||
Qy 2401 GTACTTAAAGTTAAGTTGCTAAGTATTTACTGACTGTATATATATATATATATATAT 2460
Db |||||
Qy 2461 GACATTTCAATAAATCACTGAGAAATAATTTGTAGTTGAATATTTAAGCAATATAAAGTGC 2520
Db |||||
Qy 2461 GACATTTCAATAAATCACTGAGAAATAATTTGTAGTTGAATATTTAAGCAATATAAAGTGC 2520
Db |||||
Qy 2521 TAGTGAGTTATTTGT 2534
Db |||||
Qy 2521 TAGTGAGTTATTTGT 2534
Db |||||

RESULT 6
US-10-170-235-36293
; Sequence 36293, Application US/10170235
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF HUMAN
; FILE OF INVENTION: TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES THEREOF
; FILE REFERENCE: CL001380
; CURRENT APPLICATION NUMBER: US/10/170,235
; CURRENT FILING DATE: 2003-03-17
; NUMBER OF SEQ ID NOS: 42514
; SEQ ID NO 36293
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: HUMAN

US-10-170-235-36293

Query Match 100.0%; Score 2534; DB 49; Length 2581;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCATCTGGGCGCAGCGGGTGGATCTCGAGCAGGTTGTGAGCAGCCTTATCAGTCACCATGT 60
Db 48 GCATCTGGGCGCAGCGGGTGGATCTCGAGCAGGTTGTGAGCAGCCTTATCAGTCACCATGT 107
Qy 61 CCGCAGCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
Db 108 CCGCAGCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 167
Qy 121 CCGGCGCAGGAGGAGCGCTCCCATTTGCTATCATCATGTTTTTACAGAGGCTTCGACATCA 180
Db 168 CCGGCGCAGGAGGAGCGCTCCCATTTGCTATCATCATGTTTTTACAGAGGCTTCGACATCA 227
Qy 181 GGAAGAGAAAGCAGATGTCCTCTGCCCGAGGGGCTGCCCTCTTTGAGGAATTTCTCTGTGT 240
Db 228 GGAAGAGAAAGCAGATGTCCTCTGCCCGAGGGGCTGCCCTCTTTGAGGAATTTCTCTGTGT 287
Qy 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 300
Db 288 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 347
Qy 301 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCCTACCTGTCGAGAAACTATTT 360
Db 348 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCCTACCTGTCGAGAAACTATTT 407
Qy 361 CCTCAGTAGATGCCAATGCGCATCCAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCA 420
Db 408 CCTCAGTAGATGCCAATGCGCATCCAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCA 467
Qy 421 CAGTAACTAAGCAAAAGTAGTATACAGAGGCCACAGGCAAGCAGTGTCCACAGCAC 480
Db 468 CAGTAACTAAGCAAAAGTAGTATACAGAGGCCACAGGCAAGCAGTGTCCACAGCAC 527
Qy 481 ATCCACCAACAGTAAACGACTAAAGCAAAACCCCGAGAGAAATTCGCAATAAAGATT 540
Db 528 ATCCACCAACAGTAAACGACTAAAGCAAAACCCCGAGAGAAATTCGCAATAAAGATT 587
Qy 541 GTAAAGCAGACATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGAT 600
Db 588 GTAAAGCAGACATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGAT 647
Qy 601 ATTTCAGAGAAATTTGTTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC 660
Db 648 ATTTCAGAGAAATTTGTTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC 707
Qy 661 CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTCAAAAAC 720
Db 708 CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTCAAAAAC 767
Qy 721 TTACATCAGCAAAAGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 780
Db 768 TTACATCAGCAAAAGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 827
Qy 781 CCAATACAGAAAGCCTTTGAAGCATCTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAG 840
Db 828 CCAATACAGAAAGCCTTTGAAGCATCTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAG 887
Qy 841 TAAGAAAGGGATCCCAAGTGTGTTATTTATGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 900
Db 888 TAAGAAAGGGATCCCAAGTGTGTTATTTATGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 947
Qy 901 TCGAGGAAGCAGGCATTTGTGGCCAGAGAGTGTGGTGTCAATGTATTTATATAGTTCTCTGTGG 960
Db 948 TCGAGGAAGCAGGCATTTGTGGCCAGAGAGTGTGGTGTCAATGTATTTATATAGTTCTCTGTGG 1007
Qy 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTTCAAGATGTCATTTGTTGACAGGCTG 1020
Db 1008 CCAAGCCTATCCCTGAAGAACTGGGATGTTTCAAGATGTCATTTGTTGACAGGCTG 1067

QY 1021 TCTGTGGGAATATGCTTCTTCTTACCAATGCTGCTTGGCAACCAAAAT 1080
DB 1068 TCTGTGGGAATATGCTTCTTCTTACCAATGCTGCTTGGCAACCAAAAT 1127
QY 1081 ACCTAAAGCCTCTGGTACAGAGCTGTGACTCATGAACAAATGATGTGACAGAGCT 1140
DB 1128 ACCTAAAGCCTCTGGTACAGAGCTGTGACTCATGAACAAATGATGTGACAGAGCT 1187
QY 1141 GTTATTAACCTCAGTGAACATTTCTTAAATGATGGCTCCAGCAGTGTGGAGATGCA 1200
DB 1188 GTTATTAACCTCAGTGAACATTTCTTAAATGATGGCTCCAGCAGTGTGGAGATGCA 1247
QY 1201 ATTTCCGCTCTCAGCTTGAATTTGTTTCCAAATAGCCAAAGATTTTGAATCTCGGACA 1260
DB 1248 ATTTCCGCTCTCAGCTTGAATTTGTTTCCAAATAGCCAAAGATTTTGAATCTCGGACA 1307
QY 1261 TTGGTGCCAGATAGCTGCTGATGCTTCTTAAATGATGGCTCCAGCAGTGTGGAGATGCA 1320
DB 1308 TTGGTGCCAGATAGCTGCTGATGCTTCTTAAATGATGGCTCCAGCAGTGTGGAGATGCA 1367
QY 1321 CTGACTATAGCAACCAAGAGATGCTCTAGCTGTCTATCAGAAATCATCCGCTATGAGTG 1380
DB 1368 CTGACTATAGCAACCAAGAGATGCTCTAGCTGTCTATCAGAAATCATCCGCTATGAGTG 1427
QY 1381 GTGGAACAGCTACTGCTGATGCTTCTTCTTCTGATGATGCTTGGCCCTATTA 1440
DB 1428 GTGGAACAGCTACTGCTGATGCTTCTTCTTCTGATGATGCTTGGCCCTATTA 1487
QY 1441 GGGAGAGCCCAACAGAACTTCTAGTAAATGCTCAGATGGGAGTCTATGATGATG 1500
DB 1488 GGGAGAGCCCAACAGAACTTCTAGTAAATGCTCAGATGGGAGTCTATGATGATG 1547
QY 1501 TCCAAAGCCCTGAGCTGCTGCAATGATGCAAGAAATCACTATCTTCTGTTGGTGGTG 1560
DB 1548 TCCAAAGCCCTGAGCTGCTGCAATGATGCAAGAAATCACTATCTTCTGTTGGTGGTG 1607
QY 1561 CTTGGGACCTCTGATGATGCTGATGATGCTTCTTAAACGAGGATCTCATGCTT 1620
DB 1608 CTTGGGACCTCTGATGATGCTGATGATGCTTCTTAAACGAGGATCTCATGCTT 1667
QY 1621 TCTTCAAGAGAGTTCACAGGATTAAGAACCAATTTCTGATGCTCATCAGAGGCAAT 1680
DB 1668 TCTTCAAGAGAGTTCACAGGATTAAGAACCAATTTCTGATGCTCATCAGAGGCAAT 1727
QY 1681 GTAGAGATTTCTAGAAATCCAGCAATTAAGTGAATTTTGAACCTGAAGAAAGT 1740
DB 1728 GTAGAGATTTCTAGAAATCCAGCAATTAAGTGAATTTTGAACCTGAAGAAAGT 1787
QY 1741 ACAAGGGATCCAGTGTGTAATTTGATTTCTTAAATGCTTAAATGCTTAAATGCTTAA 1800
DB 1788 ACAAGGGATCCAGTGTGTAATTTGATTTCTTAAATGCTTAAATGCTTAAATGCTTAA 1847
QY 1801 AATCAGATACAAACTATTAAGTATGTCACAGCAATTAAGGCAATTAAGCACTCTTTA 1860
DB 1848 AATCAGATACAAACTATTAAGTATGTCACAGCAATTAAGGCAATTAAGCACTCTTTA 1907
QY 1861 AAGCGCTGCTTCTGTTTCAATTTACAGTGTACTTGTGTTAAACCACTGCTGAGGCT 1920
DB 1908 AAGCGCTGCTTCTGTTTCAATTTACAGTGTACTTGTGTTAAACCACTGCTGAGGCT 1967
QY 1921 CATATCATGCTCTTAGAAATCCAGAAAGAGAGATTAATGTTGATTTAAACCTTAAGA 1980
DB 1968 CATATCATGCTCTTAGAAATCCAGAAAGAGAGATTAATGTTGATTTAAACCTTAAGA 2027
QY 1981 GTTCTAAACATGCTTCTTAAATGTCAGATGCAATTCATAGCTCAATTAAGATC 2040
DB 2028 GTTCTAAACATGCTTCTTAAATGTCAGATGCAATTCATAGCTCAATTAAGATC 2087
QY 2041 TGATACTTAGACCAAAAGCAATTCGTTCTTAAACATTCGTTATGATTAATTAAGCA 2100
DB 2088 TGATACTTAGACCAAAAGCAATTCGTTCTTAAACATTCGTTATGATTAATTAAGCA 2147

QY 2101 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAAGTACACATATTT 2160
DB 2148 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAAGTACACATATTT 2207
QY 2161 TGACCCAAAGTGGATTAATTTCTTAAACCAATCAATTAATAGCTAGCTATTAATCTGAGACTA 2220
DB 2208 TGACCCAAAGTGGATTAATTTCTTAAACCAATCAATTAATAGCTAGCTATTAATCTGAGACTA 2267
QY 2221 TAAATCTGATATAGAAAGGAGACCTGTATCAACCTGCTTTTGTAGTGTGTTTCAATA 2280
DB 2268 TAAATCTGATATAGAAAGGAGACCTGTATCAACCTGCTTTTGTAGTGTGTTTCAATA 2327
QY 2281 CAACCTTATGACTTAAATATATCACAATCAATGAAGAGAGAGATGCGAGGATTTTCTA 2340
DB 2328 CAACCTTATGACTTAAATATATCACAATCAATGAAGAGAGAGATGCGAGGATTTTCTA 2387
QY 2341 TTTCTCTCTTAAATTTAT 2400
DB 2388 TTTCTCTCTTAAATTTAT 2447
QY 2401 GTACTTAAAGCTTAAAGTGTGTAAGTATTTTACTGCTTATATAAAATTTTAAAGACAA 2460
DB 2448 GTACTTAAAGCTTAAAGTGTGTAAGTATTTTACTGCTTATATAAAATTTTAAAGACAA 2507
QY 2461 GACATTTCAAATAACTGCGAGAAATATTTAGTGTGAAATTTTAAAGCAATAAACTGC 2520
DB 2508 GACATTTCAAATAACTGCGAGAAATATTTAGTGTGAAATTTTAAAGCAATAAACTGC 2567
QY 2521 TAGTGAGTATTTGT 2534
DB 2568 TAGTGAGTATTTGT 2581

RESULT 7
PCT-US00-14619-4
; Sequence 4, Application PC/TUS0014619
; GENERAL INFORMATION:
; APPLICANT: Brigham and Women's Hospital
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT OF MENIERE DISEASE
; FILE REFERENCE: 10286/010W01
; CURRENT APPLICATION NUMBER: PCT/US00/14619
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/136,008
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57)...(1706)
PCT-US00-14619-4

Query Match 99.9%; Score 2532.4; DB 1; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2533; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCACTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCTTATCAGTCACCATGT 60
DB 1 GCACTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCTTATCAGTCACCATGT 60
QY 61 CCGCAGCTTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
DB 61 CCGCAGCTTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
QY 121 CCGGCGCAGCGGAGCGCGCTCCCATGCTTATCAGATGTTTACCAGAGCTTGGACATCA 180
DB 121 CCGGCGCAGCGGAGCGCGCTCCCATGCTTATCAGATGTTTACCAGAGCTTGGACATCA 180
QY 181 GGAAAGAGAAAGCAGATGTCTTCCCGAGGGGCTGCCCTCTTGAAGAAATCTCTGTGT 240

181	DB	GGAAAGAGAAAGCAGATGTCTCTCTGCCAGGGGGTGGCCCTCTTTGAGGAATTTCTCTGTGT	240
241	QY	ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGTCTCACAGGGGAG	300
241	DB	ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAG	300
301	QY	TAATCAGGAACCTCAGGGGGACCTGTACGAGTCTATAGCTTACCTCTGGTTCAGAAAACTATT	360
301	DB	TAATCAGCAACTCAGGGGGGACCTGTACGAGTCTATAGCTTACCTCTGGTTCGAGAAAACTATT	360
361	QY	CCTCAGTAGATGCCAATGGGCATCCAGTCTCAAAATGCTTCTAGATGCTGCTCTCTTTCA	420
361	DB	CCTCAGTAGATGCCAATGGGCATCCAGTCTCAAAATGCTTCTAGATGCTGCTCTCTTTCA	420
421	QY	CAGTAACTTAAGGCAAAAGTAGTACACAGGAGGGCCACAGGACAAAGCAGTGTCCACAGCAC	480
421	DB	CAGTAACTTAAGGCAAAAGTAGTACACAGGAGGGCCACAGGACAAAGCAGTGTCCACAGCAC	480
481	QY	ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAGAAAACTGGGCAATAAAGATT	540
481	DB	ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAGAAAACTGGGCAATAAAGATT	540
541	QY	GTAAGCAGACATTCGCAATTTCTGATTCGATGGAAGCTTTTAATATTTGGGCGGCGCGATT	600
541	DB	GTAAGCAGACATTCGCAATTTCTGATTCGATGGAAGCTTTTAATATTTGGGCGGCGCGATT	600
601	QY	ATTTACAGAAAGATTTTGTGGAAAAGTGGCTCTAAATGTTGGGAATTTGGAAACAGAGGCAC	660
601	DB	ATTTACAGAGNAATTTTGTGGAAAAGTGGCTCTAAATGTTGGGAATTTGGAAACAGAGGCAC	660
661	QY	CACATGTGGGCTTGTCTCAAGCCAGTGAACATCCCAAATAGAAATTTTACTTGAANAAC	720
661	DB	CACATGTGGGCTTGTCTCAAGCCAGTGAACATCCCAAATAGAAATTTTACTTGAANAAC	720
721	QY	TTACATCAGCCAAAGATGTTTTGTGTGCCATAAAGGAAGTAGTTTTCAGAGGGGGTAA	780
721	DB	TTACATCAGCCAAAGATGTTTTGTGTGCCATAAAGGAAGTAGTTTTCAGAGGGGGTAA	780
781	QY	CCAATACAGGAAAGCCTTGAAGCATACTGCTCAGAAAAATCTTCACGGTAGATGCTCGAG	840
781	DB	CCAATACAGGNAAGCCCTTGAAGCATACTGCTCAGAAATTTCTTCACGGTAGATGCTCGAG	840
841	QY	TAAGAAAAGGGATCCCCAAAGTGGTGGTATTTATTTGATGGTGGCTTCTGATGACA	900
841	DB	TAAGAAAAGGGAATCCCCAAAGTGGTGGTATTTATTTGATGGTGGCTTCTGATGACA	900
901	QY	TCGAGGAAGCAGGCATTTGTGCCACAGAGATTTGGTGTCAATGATTTATATAGTTCTGTGG	960
901	DB	TCGAGGAAGCAGGCATTTGTGCCACAGAGATTTGGTGTCAATGATTTATATAGTTCTGTGG	960
961	QY	CCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGTACAAATTTGTTGACAAGGCTG	1020
961	DB	CCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGTACAAATTTGTTGACAAGGCTG	1020
1021	QY	TCTGTCCGAATTAATGGCTTCTTCTTTACCAATGCCCAACTGGTTTGGCACCAAAAT	1080
1021	DB	TCTGTCCGAATTAATGGCTTCTTCTTTACCAATGCCCAACTGGTTTGGCACCAAAAT	1080
1081	QY	ACGTAAGCCCTCTGGTACAGAGCTGTGCACTATGAACAAATGATGTGACGAGCAACCT	1140
1081	DB	ACGTAAAGCCCTCTGGTACAGAGCTGTGCACTATGAACAAATGATGTGACGAGCAACCT	1140
1141	QY	GTTATAACTCAGTCAAAATTCGCTTTCTAAATGATGCTCCAGCAGTGTGGAGATAGCA	1200
1141	DB	GTTATAACTCAGTCAAAATTCGCTTTCTAAATGATGCTCCAGCAGTGTGGAGATAGCA	1200
1201	QY	ATTTCCGCTCATGCTTGAATTTGTTTCCAAACATAGCCAGACCTTTTGAATCTCGGACA	1260
1201	DB	ATTTCCGCTCATGCTTGAATTTGTTTCCAAACATAGCCAGACCTTTTGAATCTCGGACA	1260
1261	QY	TTGTGTCAGATAGTCTGTGACAGTTTACTTATGATTCAGCGCACGGAGTTCAGTTTCA	1320
1261	DB	TTGTGTCAGATAGTCTGTGACAGTTTACTTATGATTCAGCGCACGGAGTTCAGTTTCA	1320

Qy	1321	CTGACTATAGGACCAAGAGAAATGTCTCTAGCTGCATCAGAAACATCCGCTATATGAGTG	1381
Db	1321	CTGACTATAGCACCAGAGAAATGTCTCTAGCTGCTCATCAGAAACATCCGCTATATGAGTG	1380
Qy	1381	GTGGAAACAGCTACTGTGGTATGCCAATTTCCCTTCACTGTTAGAAATGTGTTTGGGCCCTATAA	1440
Db	1381	GTGGAAACAGCTACTGTGGTATGCCAATTTCCCTTCACTGTTAGAAATGTGTTTGGGCCCTATAA	1440
Qy	1441	GGGAGACCCCAACAAGAACTTCTTAGTAAATGTTCCAGATGGGCAGTCCTATGATGATG	1500
Db	1441	GGGAGACCCCAACAAGAACTTCTTAGTAAATGTTCCAGATGGGCAGTCCTATGATGATG	1500
Qy	1501	TCCAAGGCCCTCGAGCTGTGCACATGATGCGAGAACTCACTATCTTCTCTGTGTGGTGTGG	1560
Db	1501	TCCAAGGCCCTCGAGCTGTGCACATGATGCGAGAACTCACTATCTTCTCTGTGTGGTGTGG	1560
Qy	1561	CTTGGGCACCTCTGGATGACCTGAAGAGATATGCTTCTTAACCGAAGGAGTCTCATGCTTT	1620
Db	1561	CTTGGGCACCTCTGGATGACCTGAAGAGATATGCTTCTTAACCGAAGGAGTCTCATGCTTT	1620
Qy	1621	TCCTTCAAGAGAGTTCACAGGATTAAGAACCAATTTGTTCTGATGTCAATCAGAGGCATTT	1680
Db	1621	TCCTTCAAGAGAGTTCACAGGATTAAGAACCAATTTGTTCTGATGTCAATCAGAGGCATTT	1680
Qy	1681	GTAGAGATTTCTTAGAATCCCGACAATAATGSGTAACAATTTTGACAACCTGAAAGAAAAGT	1740
Db	1681	GTAGAGATTTCTTAGAATCCCGACAATAATGSGTAACAATTTTGACAACCTGAAAGAAAAGT	1740
Qy	1741	ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATACTGAAATGCTTTAGCATACTAG	1800
Db	1741	ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATACTGAAATGCTTTAGCATACTAG	1800
Qy	1801	AATCAGATACAAAACATAATTAAGTATGTCAACAGCCATTTAGGCAAAATAGCACTCCCTTTA	1860
Db	1801	AATCAGATACAAAACATAATTAAGTATGTCAACAGCCATTTAGGCAAAATAGCACTCCCTTTA	1860
Qy	1861	AAGCCGCTGCCTCTCGGTACAATTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTT	1920
Db	1861	AAGCCGCTGCCTCTCGGTACAATTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTT	1920
Qy	1921	CATAATCATGGCTCTTAGAAACTCAGGAAGAGGAGATAATGTGGATTAAACCTTTAAGA	1980
Db	1921	CATAATCATGGCTCTTAGAAACTCAGGAAGAGGAGATAATGTGGATTAAACCTTTAAGA	1980
Qy	1981	GTTCCTAACCATGCTACTAAATCTGCAGATATCCAAATTCCTATAGCTCAATAAAGCAATC	2040
Db	1981	GTTCCTAACCATGCTACTAAATCTGCAGATATGCCAAATTCCTATAGCTCAATAAAGCAATC	2040
Qy	2041	TGATACTTTAGACAAAGCAACATTCGTTCTCTAACCATTTCTGATTGATTATATGAACA	2100
Db	2041	TGATACTTTAGACAAAGCAACATTCGTTCTCTAACCATTTCTGATTGATTATATGAACA	2100
Qy	2101	AAATGAAAAGAGAAACTTAAATGAACAACAGCTCTTTAAACATGTTCCAGGTACACATATTT	2160
Db	2101	AAATGAAAAGAGAAACTTAAATGAACAACAGCTCTTTAAACATGTTCCAGGTACACATATTT	2160
Qy	2161	TGACCCAGGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGCAGACTA	2220
Db	2161	TGACCCAGGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGCAGACTA	2220
Qy	2221	TAAAACTCGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Db	2221	TAAAACTCGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Qy	2281	CAACTTATGATAAAAATATCACACTGAATAAGAGAGCAGGATTCGCAGGATATTTTCTTA	2340
Db	2281	CAACTTATGATAAAAATATCACACTGAATAAGAGAGCAGGATTCGCAGGATATTTTCTTA	2340
Qy	2341	TTTCTCTCCTTAATTTTATATGATATATAGATATATTTGGCTTATATTTCTAAGTCACCTAA	2400
Db	2341	TTTCTCTCCTTAATTTTATATGATATATAGATATATTTGGCTTATATTTCTAAGTCACCTAA	2400

Db	1583	CTTGGGCACCTCTCTGGATGACCTGAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTT	1642
Qy	1621	TC TTCAACAAGAGAGTTCA CAGGATTAGAACCAATTTGTTCTTGATGTGTCATCAGAGGCAATTT	1680
Db	1643	TC TTCAACAAGAGAGTTCA CAGGATTAGAACCAATTTGTTCTTGATGTGTCATCAGAGGCAATTT	1702
Qy	1681	GTACAGATTTCTTAGAATCCAGCAATAATGGTAACTATTTTGACAACTGAAGAAGAAAGT	1740
Db	1703	GTACAGATTTCTTAGAATCCAGCAATAATGGTAACTATTTTGACAACTGAAGAAGAAAGT	1762
Qy	1741	ACAAGGGGATCCAGTGTGTAATTTGTATTTCTCATAATACTCAAAATGCTTTAGCATACTAG	1800
Db	1763	ACAAGGGGATCCAGTGTGTAATTTGTATTTCTCATAATACTCAAAATGCTTTAGCATACTAG	1822
Qy	1801	AATCAGATACAAAATTAAGTATGTCAACAGCCATTTAGGCAAAATAAGCACTCTCTTTTA	1860
Db	1823	AATCAGATACAAAATTAAGTATGTCAACAGCCATTTAGGCAAAATAAGCACTCTCTTTTA	1882
Qy	1861	AAGCGGTCGCTTCCTGGTTTCAAAATTAACAGTACTTTTGTAAAAACACACTGCTGAGGCTT	1920
Db	1883	AAGCGGTCGCTTCCTGGTTTCAAAATTAACAGTACTTTTGTAAAAACACACTGCTGAGGCTT	1942
Qy	1921	CATAATCATGGCTCTTAGAAACCTCAGGAAAGAGAGATAATGTGGATTTAAAAACCTTAAGA	1980
Db	1943	CATAATCATGGCTCTTAGAAACCTCAGGAAAGAGAGATAATGTGGATTTAAAAACCTTAAGA	2002
Qy	1981	GTTCCTACCATGCTCTTAATGTACAGATATGCAAAATTCATAGCTCAATAAAGCAATC	2040
Db	2003	GTTCCTACCATGCTCTTAATGTACAGATATGCAAAATTCATAGCTCAATAAAGCAATC	2062
Qy	2041	TGATACTTAGACCAAAAGCAACATTCGTTCTCTAAACCAATTCGTATTTGATTTATATAAGCA	2100
Db	2063	TGATACTTAGACCAAAAGCAACATTCGTTCTCTAAACCAATTCGTATTTGATTTATATAAGCA	2122
Qy	2101	AAATGAAAAGAGAAACCTTAAATGAAACACAGCTCTTTTAAACATGGTTACAGGTACACATATTT	2160
Db	2123	AAATGAAAAGAGAAACCTTAAATGAAACACAGCTCTTTTAAACATGGTTACAGGTACACATATTT	2182
Qy	2161	TGACCCAAAGTGGATATTTTCTTTAAAAACCAATCAATAATAGCTAGCTATTAATCTGCAGACTA	2220
Db	2183	TGACCCAAAGTGGATATTTTCTTTAAAAACCAATCAATAATAGCTAGCTATTAATCTGCAGACTA	2242
Qy	2221	TAAAACTCTGGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Db	2243	TAAAACTCTGGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2302
Qy	2281	CAACTATGACTAAAAATATACACTGAATAAGAGACAGGATTCAGGATTTTTCCTA	2340
Db	2303	CAACTATGACTAAAAATATACACTGAATAAGAGACAGGATTCAGGATTTTTCCTA	2362
Qy	2341	TTTCTCTCCTTAATTTTATATGTATATAGATATATTTGGCTTATATTTCTAAAGTCACCTAA	2400
Db	2363	TTTCTCTCCTTAATTTTATATGTATATAGATATATTTGGCTTATATTTCTAAAGTCACCTAA	2422
Qy	2401	GTACTTTAAAGTTAAGTTGGTAAAGTATTTTACTGACTGCTTTATAAAACATTTTAAGACAAA	2460
Db	2423	GTACTTTAAAGTTAAGTTGGTAAAGTATTTTACTGACTGCTTTATAAAACATTTTAAGACAAA	2482
Qy	2461	GACATTTCAAATAACTGCAGAAAAAATATTTGTAGTTTGAATATTTTAAGCAATAAAACTGCG	2520
Db	2483	GACATTTCAAATAACTGCAGAAAAAATATTTGTAGTTTGAATATTTTAAGCAATAAAACTGCG	2542
Qy	2521	TAGTGAGTTATTTGT	2534
Db	2543	TAGTGAGTTATTTGT	2556

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; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polymor
; FILE REFERENCE: GX-0007 P
; CURRENT APPLICATION NUMBER: US/60/172,360
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 29838
; SOFTWARE: PERL Program
; SEQ ID NO 28218
; LENGTH: 2556
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 213027.2
US-60-172-360-28218

```

Query Match	99.9%	Score	2530.8	DB	86	Length	2556	
Best Local Similarity	99.9%	Pred. No.	0					
Matches	2532	Conservative	0	Mismatches	2	Indels	0	Gaps
	0							
Qy	1	GCAC	CTGGGCGCAGCGGGTGGATCTCGACGAGGTGTGAGCAGCCTATCAGTCACCATGT	60				
Db	23	GCAC	CTGGGCGCAGCGGGTGGATCTCGACGAGGTGTGAGCAGCCTATCAGTCACCATGT	82				
Qy	61	CCG	CAGCCTTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTGCTGCTGCCGGGCCCG	120				
Db	83	CCG	CAGCCTTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTGCTGCTGCCGGGCCCG	142				
Qy	121	CGGG	CAGGAGGCGGCTCCATTTGCTATCACATGTTTACCAGAGCCTTGGACATCA	180				
Db	143	CGGG	CAGGAGGCGGCTCCATTTGCTATCACATGTTTACCAGAGCCTTGGACATCA	202				
Qy	181	GGAAG	AGAAAGCAGATGTCCTCTGCCAGGGGGCTGCCCTCTTAGAGGAATCTCTGTGT	240				
Db	203	GGAAG	AGAAAGCAGATGTCCTCTGCCAGGGGGCTGCCCTCTTAGAGGAATCTCTGTGT	262				
Qy	241	ATGG	GAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGTGTGTGCCAGGGGAG	300				
Db	263	ATGG	GAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGTGTGTGCCAGGGGAG	322				
Qy	301	TAT	TCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACTCTGTTCGAGAAAACTATT	360				
Db	323	TAT	TCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACTCTGTTCGAGAAAACTATT	382				
Qy	361	CCT	CAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCA	420				
Db	383	CCT	CAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCA	442				
Qy	421	CAG	TAAAGCAAAAGTAGTATACAGAGGGCCACAGGACGAGTGTCCACAGCAC	480				
Db	443	CAG	TAACTAAAGCAAAAGTAGTATACAGAGGGCCACAGGACGAGTGTCCACAGCAC	502				
Qy	481	ATC	CACCACACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	540				
Db	503	ATCC	ACACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	562				
Qy	541	GTA	AGCAGCATTTGCATTTCTGATTGATGGAAGCTTTTAATATTGGGCGAGCCGATTTA	600				
Db	563	GTA	AGCAGCATTTGCATTTCTGATTGATGGAAGCTTTTAATATTGGGCGAGCCGATTTA	622				
Qy	601	ATT	TACAGAGAAATTTGTGTGAAAAGTGGCTCTAATGTTGGGAATTTGGACAGAGGAC	660				
Db	623	ATT	TACAGAGAAATTTGTGTGAAAAGTGGCTCTAATGTTGGGAATTTGGACAGAGGAC	682				
Qy	661	CAC	ATGTGGGCCCTTGTTCAGGCCAGTGCAATCCCAAAATAGAAATTTTACTTGGAAAACT	720				
Db	683	CAC	ATGTGGGCCCTTGTTCAGGCCAGTGCAATCCCAAAATAGAAATTTTACTTGGAAAACT	742				
Qy	721	TTA	CATCAGCAAGATGTTTTGTTTGGCAATAAGGAAGTAGTTTTTCAGAGGGGTAAATT	780				
Db	743	TTA	CATCAGCAAGATGTTTTGTTTGGCAATAAGGAAGTAGTTTTTCAGAGGGGTAAATT	802				

RESULT 9
US-60-172-360-28218
; Sequence 28218, Application US/60172360
; GENERAL INFORMATION:
; APPLICANT: MORRIS, MacDonald

Qy	1861	AAGCGCTGCGTCTCTGGTTACAAATTTACAGTGTA	CTTTGTTAAAAACACATGCTGAGGCTT	1921
Db	1883	AAGCGCTGCGTCTCTGGTTACAAATTTACAGTGTA	CTTTGTTAAAAACACATGCTGAGGCTT	1942
Qy	1921	CATAATCATGGCTCTTAGAAACTCAGGAAAGAGGAG	AATATGTGGATTAAAAACCTTAAAGA	1980
Db	1943	CATAATCATGGCTCTTAGAAACTCAGGAAAGAGGAG	AATATGTGGATTAAAAACCTTAAAGA	2002
Qy	1981	GTTCCTAACCATGCTACTATAATGTACAGATATAC	AGAAATCCATAGCTCAATAAAAAAATC	2040
Db	2003	GTTCCTAACCATGCTACTATAATGTACAGATATAC	AGAAATCCATAGCTCAATAAAAAAATC	2062
Qy	2041	TGATACTTTAGACACAAAGCAACATTCGTTCTCT	CTAAACCATTCGATTTGATATATAAGCA	2100
Db	2063	TGATACTTTAGACACAAAGCAACATTCGTTCTCT	CTAAACCATTCGATTTGATATATAAGCA	2122
Qy	2101	AAATGAAAAAGAGAAAACCTTAAATGAACACAC	AGCTCTTTAAACATGGTTCAGGTACACATATTT	2160
Db	2123	AAATGAAAAAGAGAAAACCTTAAATGAACACAC	AGCTCTTTAAACATGGTTCAGGTACACATATTT	2182
Qy	2161	TGACCCGAAGTGGATATTTTCTTAAAAACCAAT	CAATTAATAGCTAGCTATTACTGACAGCTA	2220
Db	2183	TGACCCGAAGTGGATATTTTCTTAAAAACCAAT	CAATTAATAGCTAGCTATTACTGACAGCTA	2242
Qy	2221	TAAAACTCGATATAGAAAGGAGACCTGTATCAA	ACCTGCTTTTGTAGTGTGTTTTTCATAA	2280
Db	2243	TAAAACTCGATATAGAAAGGAGACCTGTATCAA	ACCTGCTTTTGTAGTGTGTTTTTCATAA	2302
Qy	2281	CAACTTATGACTAAAAATATCA	CACATGAATAAGAGAGCAGGATGCGAGGTATTTTCTA	2340
Db	2303	CAACTTATGACTAAAAATATCA	CACATGAATAAGAGAGCAGGATGCGAGGTATTTTCTA	2362
Qy	2341	TTTCTCTCCTTAATTTTATATGTATATAGATA	TATTTTGGCTTATATTTCTAAGTCACCTAA	2400
Db	2363	TTTCTCTCCTTAATTTTATATGTATATAGATA	TATTTTGGCTTATATTTCTAAGTCACCTAA	2422
Qy	2401	GTACTTAAAAAGTTAAGTTGGTAAAGTATTTT	ACTGACTGCTTATAAACAATTTAAAGACAAA	2460
Db	2423	GTACTTAAAAAGTTAAGTTGGTAAAGTATTTT	ACTGACTGCTTATAAACAATTTAAAGACAAA	2482
Qy	2461	GACATTTCAAAATCAACTGCGAAAAAATATTT	GATGTTGATATTTTAAAGCAATAAAACTGC	2520
Db	2483	GACATTTCAAAATCAACTGCGAAAAAATATTT	GATGTTGATATTTTAAAGCAATAAAACTGC	2542
Qy	2521	TAGTGAAGTTATTGT	2534	
Db	2543	TAGTGAAGTTATTGT	2556	

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RESULT 10
US-60-453-050-7348
; Sequence 7348, Application US/60453050
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: LUKE, May
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001457
; CURRENT APPLICATION NUMBER: US/60/453,050
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7348
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-453-050-7348

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Qy	781	CCAATA	CAGGAAA	GCCTTG	GAAGCA	TACTGCT	CAGAAAT	TCTTCA	CGGTAGAT	CGCTGGAG	840
Db	803	CCAATACAGG	AAAAAGCCCTTGAAGCAT	ACTGCTCAGAAAT	TCTTCA	CGGTAGAT	CGCTGGAG	862			
Qy	841	TAAGAAAGGGAT	CCCCAAAGTGGTGGTAT	TATTTAT	TGATGGTGGCCCTT	CTGATGACA	900				
Db	863	TAAGAAAGGGAT	CCCCAAAGTGGTGGTAT	TATTTAT	TGATGGTGGCCCTT	CTGATGACA	922				
Qy	901	TCGAGGAAGCAGG	CATTGTGCGCCAGAGAGT	TTGGTGTCAAT	TGATTTAT	TAGTTCTGTGG	960				
Db	923	TCGAGGAAGCAGG	CATTGTGCGCCAGAGAGT	TTGGTGTCAAT	TGATTTAT	TAGTTCTGTGG	982				
Qy	961	CCAAGCCTAT	CCCCGTAAGAACTGGGAT	GGTTCAGGAT	GTCTCAT	TTTGTGAC	AGGCTG	1020			
Db	983	CCAAGCCTAT	CCCCGTAAGAACTGGGAT	GGTTCAGGAT	GTCTCAT	TTTGTGAC	AGGCTG	1042			
Qy	1021	TCTGTCCGAATAA	TGGCTTCTTCTTACACAT	GCACCACTGGTTGG	CACCAAAAAT	1080					
Db	1043	TCTGTCCGAATAA	TGGCTTCTTCTTACACAT	GCACCACTGGTTGG	CACCAAAAAT	1102					
Qy	1081	ACGTAAAGCCT	CTCGGTACAGAACTGTGCA	CTCATGAA	CAAAATGATGTG	CAGCAAGACCT	1140				
Db	1103	ACGTAAAGCCT	CTCGGTACAGAACTGTGCA	CTCATGAA	CAAAATGATGTG	CAGCAAGACCT	1162				
Qy	1141	GTTATAACT	CAGTCAAACTTGCCCTT	CTTAATGAT	GGCTCCAGCAGT	TTGGAGATGACA	1200				
Db	1163	GTTATAACT	CAGTCAAACTTGCCCTT	CTTAATGAT	GGCTCCAGCAGT	TTGGAGATGACA	1222				
Qy	1201	ATTTCCGCTC	CATGCTTGAATTTGTTTCCAA	CATAGCCAA	GACCTTTGAAAT	CTCGACA	1260				
Db	1223	ATTTCCGCTC	CATGCTTGAATTTGTTTCCAA	CATAGCCAA	GACCTTTGAAAT	CTCGACA	1282				
Qy	1261	TTGGTCCAGAT	AGCTGTGACAGT	TTACTTTATGAT	CAGCGACGGAGT	TCAGTTTCA	1320				
Db	1283	TTGGTCCAGAT	AGCTGTGACAGT	TTACTTTATGAT	CAGCGACGGAGT	TCAGTTTCA	1342				
Qy	1321	CTGACTAT	AGCACCAAGAGAA	GTCCCTAGCTGT	CATCAGAAA	CATCCGCTATAT	GAGTG	1380			
Db	1343	CTGACTAT	AGCACCAAGAGAA	GTCCCTAGCTGT	CATCAGAAA	CATCCGCTATAT	GAGTG	1402			
Qy	1381	GTGAAACAGCT	ACTGTGGTATGCCA	TTCTTCTACTGT	TAGAAATGTG	TTGGCCCTATA	1440				
Db	1403	GTGAAACAGCT	ACTGTGGTATGCCA	TTCTTCTACTGT	TAGAAATGTG	TTGGCCCTATA	1462				
Qy	1441	GGGAGAGCCCCAA	CAAGAACTTCCCTAGT	TAATTTGTCAGAT	GGSCAGTCT	CTATGATGATG	1500				
Db	1463	GGGAGAGCCCCAA	CAAGAACTTCCCTAGT	TAATTTGTCAGAT	GGSCAGTCT	CTATGATGATG	1522				
Qy	1501	TCCAAGGCCCT	GTGAGCTGTGCACAT	GATGCGGAAT	CACTATCTTCT	CTGTGGTGGTG	1560				
Db	1523	TCCAAGGCCCT	GTGAGCTGTGCACAT	GATGCGGAAT	CACTATCTTCT	CTGTGGTGGTG	1582				
Qy	1561	CTTGGGCACCT	CTGGATGACCTGGAAGAT	ATGGCTTCAACCGA	GGAGTCTCAT	GCCTT	1620				
Db	1583	CTTGGGCACCT	CTGGATGACCTGGAAGAT	ATGGCTTCTAAACCGA	GGAGTCTCAT	GCCTT	1642				
Qy	1621	TCCTTCAAGA	GAGTTCACAGGATTAGAA	CCAAATTTGTTCT	CTGATGT	CATCAGAGGCAT	1680				
Db	1643	TCCTTCAAGA	GAGTTCACAGGATTAGAA	CCAAATTTGTTCT	CTGATGT	CATCAGAGGCAT	1702				
Qy	1681	GTAGAGAT	TTCTTAGATCCAGAC	CAATAATG	GTGTAACATTTT	TGCAACTG	GAAGAAAAGT	1740			
Db	1703	GTAGAGAT	TTCTTAGATCCAGAC	CAATAATG	GTGTAACATTTT	TGCAACTG	GAAGAAAAGT	1762			
Qy	1741	ACAAGGGAT	CCAGTGTGTAATTTGTAAT	TTCTCAT	TAATCTG	GAATGCTTTAG	CATCTAG	1800			
Db	1763	ACAAGGGAT	CCAGTGTGTAATTTGTAAT	TTCTCAT	TAATCTG	GAATGCTTTAG	CATCTAG	1822			
Qy	1801	AATCAGAT	AACAACTAAT	TAGTATGTCA	CAGCCATTTAG	GCAAAATAG	CACTCTTTTA	1860			
Db	1823	AATCAGAT	AACAACTAAT	TAGTATGTCA	CAGCCATTTAG	GCAAAATAG	CACTCTTTTA	1882			

Db 1488 GGGAGAGCCCCAACAGAACTTCCTAGTAATGTGCAGATGGGCACTCTATGATGATG 1547
QY TCCAAAGCCCTGACGTGCTGCATGATGAGGAATCACTATCTCTCTGTTGGTGG 1560
Db TCCAAAGCCCTGACGTGCTGCATGATGAGGAATCACTATCTCTCTGTTGGTGG 1607
QY CTGGGCACTCTGGATGACCTGAAGATATGGCTCTTAAACCGAAGAGTCTCATGCTT 1620
Db CTGGGCACTCTGGATGACCTGAAGATATGGCTCTTAAACCGAAGAGTCTCATGCTT 1667
QY TCTTCAAGAGAGTTCACAGGATAGAACCAATGTTCTGATGTCATCAGAGGCATTT 1680
Db TCTTCAAGAGAGTTCACAGGATAGAACCAATGTTCTGATGTCATCAGAGGCATTT 1727
QY GTAGAGATTTCTTAAATCCAGCAATAATGTTTAACTGACCACTGAAAGAAAAGT 1740
Db GTAGAGATTTCTTAAATCCAGCAATAATGTTTAACTGACCACTGAAAGAAAAGT 1787
QY ACAAGGGATCCAGTGTGTAATTTCTCAATACTGAAATGCTTTAGCATACTAG 1800
Db ACAAGGGATCCAGTGTGTAATTTCTCAATACTGAAATGCTTTAGCATACTAG 1847
QY AATCAGATACAAACTATTAGTATGTCACAGCCATTTAGGCAATAAGCACTCCTTTA 1860
Db AATCAGATACAAACTATTAGTATGTCACAGCCATTTAGGCAATAAGCACTCCTTTA 1907
QY AAGCCGCTGCTCTCGTGTACAAATTTACAGTGTACTTTGTTAAACACACTGCGAGCCT 1920
Db AAGCCGCTGCTCTCGTGTACAAATTTACAGTGTACTTTGTTAAACACACTGCGAGCCT 1967
QY CATAATCATGGCTCTTAGAACTCAGGAAAGAGAGATATGTTGATTAACCTTAAAGA 1980
Db CATAATCATGGCTCTTAGAACTCAGGAAAGAGAGATATGTTGATTAACCTTAAAGA 2027
QY GTTCTAACCATGCTCTAAATGTAAGATATGCAATTCAGTCTCAATTAAGAAATC 2040
Db GTTCTAACCATGCTCTAAATGTAAGATATGCAATTCAGTCTCAATTAAGAAATC 2087
QY TGATCTTAGACCAAAAGCAACTTCCTCTCTTAAACCATCTCTATTGATTAATAGCA 2100
Db TGATCTTAGACCAAAAGCAACTTCCTCTCTTAAACCATCTCTATTGATTAATAGCA 2147
QY AAATGAAAAGAGAACTTAAATGAACACACAGCTCTTTAAACATGTTCAAGTACACATATT 2160
Db AAATGAAAAGAGAACTTAAATGAACACACAGCTCTTTAAACATGTTCAAGTACACATATT 2207
QY TGACCCAAAGTGGATATTTTCTTAAACCAATCAATATAGCTAGCTATTACTGCAGACTA 2220
Db TGACCCAAAGTGGATATTTTCTTAAACCAATCAATATAGCTAGCTATTACTGCAGACTA 2267
QY TAAAACTGATATAGAAAGGAGACCTGTATCAACCTGTTTGTAGTGTGTTTCTATA 2280
Db TAAAACTGATATAGAAAGGAGACCTGTATCAACCTGTTTGTAGTGTGTTTCTATA 2327
QY CAACCTATGACTAAAAATATACACTGAATAAGAGAGAGAGATGTCAGGATATTTTCTA 2340
Db CAACCTATGACTAAAAATATACACTGAATAAGAGAGAGAGATGTCAGGATATTTTCTA 2387
QY TTTCTCTCCTTAATTTTAT 2400
Db TTTCTCTCCTTAATTTTAT 2447
QY GTACTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 2460
Db GTACTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 2507
QY GACATTTCAATTAACCTGAGAAAATAATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
Db GACATTTCAATTAACCTGAGAAAATAATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2567
QY TAGTGAGTTATTGT 2534
|||||

Db 2568 TAGTGAGTTATTGT 2581

RESULT 12

US-60-455-444-3929
; Sequence 3929, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; NUMBER OF SEQ ID NOS: 2003-03-18
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 3929
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-455-444-3929

Query Match 99.8%; Score 2530; DB 115; Length 2581;

Best Local Similarity 99.8%; Pred. No. 0;
Matches 2524; Conservative 10; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCACCTCGGGCGGAGCGGGTGGATCTCGAGCAGCGGTGTGAGCAGCCTTATCAGTCACCATGT 60
Db 48 GCACCTCGGGCGGAGCGGGTGGATCTCGAGCAGCGGTGTGAGCAGCCTTATCAGTCACCATGT 107
QY 61 CGCAGCCTGGATCCCGGCTCTCGGCTCGGTGTGTGTCTGTCTGTCTGCTGCGGGGCGCG 120
Db 108 CGCAGCCTGGATCCCGGCTCTCGGCTCGGTGTGTGTCTGTCTGTCTGCTGCGGGGCGCG 167
QY 121 CGGGCAGCAGGAGCGCGCTCCCATTTGCTATCAATGTTTACAGAGGCTTGGCAATCA 180
Db 168 CGGGCAGCAGGAGCGCGCTCCCATTTGCTATCACATGTTTACAGAGGCTTGGCAATCA 227
QY 181 GGAAAGAGAAAGCAGATGCTCTGCGCAGGGGGCTGCCCTCTTGAAGGAATCTCTGTGT 240
Db 228 GGAAAGAGAAAGCAGATGCTCTGCTGAGGGGGCTGCCCTCTTGAAGGAATCTCTGTGT 287
QY 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCAGGGGAG 300
Db 288 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCAGGGGAG 347
QY 301 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGTGAGAGAAAATATT 360
Db 348 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGTGAGAGAAAATATT 407
QY 361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAATGCTTTCTAGATGCTGTCTTCTTCA 420
Db 408 CCTCAGTAGATGCCAATGGCATCCAGTCTCAATGCTTTCTAGATGCTGTCTTCTTCA 467
QY 421 CAGTAACCTAAAGGCAAAAGTAGTATACAGGAGGCCACAGGCAAGCAGTGTCCAGAGCAC 480
Db 468 CAGTAACCTAAAGGCAAAAGTAGTATACAGGAGGCCACAGGCAAGCAGTGTCCAGAGCAC 527
QY 481 ATCCACCAACAGGTAAACGACTAAAGAAAACCCCGAGAGAAAATCTGGCAATAAAGATT 540
Db 528 ATCCACCAACAGGTAAACGACTAAAGAAAACCCCGAGAGAAAATCTGGCAATAAAGATT 587
QY 541 GTAAAGCAGACATTCATTTCTGATTTGATGGAAGCTTTTAAATATTTGGGCGAGCCGATT 600
Db 588 GTAAAGCAGACATTCATTTCTGATTTGATGGAAGCTTTTAAATATTTGGGCGAGCCGATT 647
QY 601 ATTTACAGAAAGATTTTGTGGAAGAGTGGCTCTAATGTTGGGAATTTGAAACAGAGGAC 660
Db 648 ATTTACAGAAAGATTTTGTGGAAGAGTGGCTCTAATGTTGGGAATTTGAAACAGAGGAC 707
QY 661 CACATGTGGGCTTGTTCAGGCCAGTGAAATCCCAAAATAGAAATTTTACTTGAATAACT 720
Db 708 CACATGTGGGCTTGTTCAGGCCAGTGAAATCCCAAAATAGAAATTTTACTTGAATAACT 767

Qy 721 TTAATCAGCAAAAGATGTTTGTGTCATTAAGGAAGTGGTTTCAGAGGGGTAAAT 780
Db 768 TTAATCAGCAAAAGATGTTTGTGTCATTAAGGAAGTGGTTTCAGAGGGGTAAAT 827
Qy 781 CCAATACAGAAAGAGCTTGAAGCATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAG 840
Db 828 CCAATACAGAAAGAGCTTGAAGCATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAG 887
Qy 841 TAAGAAAGGGATCCCCAAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 900
Db 888 TAAGAAAGGGATCCCCAAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 947
Qy 901 TCGAGGAAGCAGGATTTGGCCAGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGG 960
Db 948 TCGAGGAAGCAGGATTTGGCCAGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGG 1007
Qy 961 CCAAGCCTATCCCTGGAAGACTGGGATGGTTCAGGATGTCAATTTGTTGACAAGGCTG 1020
Db 1008 CCAAGCCTATCCCTGGAAGACTGGGATGGTTCAGGATGTCAATTTGTTGACAAGGCTG 1067
Qy 1021 TCTGTGCGAATATGGCTTCTTCTTACCAATGCCCACTGGTGGTGGCCACCAAAAT 1080
Db 1068 TCTGTGCGAATATGGCTTCTTCTTACCAATGCCCACTGGTGGTGGCCACCAAAAT 1127
Qy 1081 ACGTAAAGCCTTGGTACAGAGGTGGCACTCATGAACTAATGTATGTCAGCAAGACCT 1140
Db 1128 AYGTAAGCCTTGGTACAGAGGTGGCACTCATGAACTAATGTATGTCAGCAAGACCT 1187
Qy 1141 GTTATAACTCAGTGAACATTTCTTAATGATGGCTCCAGCAGTGTGGAGATGACA 1200
Db 1188 GTTATAACTCAGTGAACATTTCTTAATGATGGCTCCAGCAGTGTGGAGATGACA 1247
Qy 1201 ATTTCCGCCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGACTTTTGAATCTCGACA 1260
Db 1248 ATTTCCGCCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGACTTTTGAATCTCGACA 1307
Qy 1261 TTGTTGCAAGATGCTGCTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1320
Db 1308 TTGTTGCAAGATGCTGCTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1367
Qy 1321 CTGACTATAGCACCAGAGAGATGCTCCTAGCTGTCTATCAGAAATCCCGCTATATGAGTG 1380
Db 1368 CTGATATAGCACCAGAGAGATGCTCCTAGCTGTCTATCAGAAATCCCGCTATATGAGTG 1427
Qy 1381 GTGAAACAGCTACTGGTGATGCCATTTCTTCTACTGTGTAAGATGTGTTGGCCCTATAA 1440
Db 1428 GTGAAACAGCTACTGGTGATGCCATTTCTTCTACTGTGTAAGATGTGTTGGCCCTATAA 1487
Qy 1441 GGGAGAGCCCAACAGAACTTCTTCTAGTAAATTTGTCAGATGGCGATCCTATGATGATG 1500
Db 1488 GGGAGAGCCCAACAGAACTTCTTCTAGTAAATTTGTCAGATGGCGATCCTATGATGATG 1547
Qy 1501 TCCAAAGGCCCTGACGCTGCTGCATCATGATGAGGAATCACTATCTTCTGTGTTGGTGG 1560
Db 1548 TCCAAAGGCCCTGACGCTGCTGCATCATGATGAGGAATCACTATCTTCTGTGTTGGTGG 1607
Qy 1561 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT 1620
Db 1608 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT 1667
Qy 1621 TCTTTCAGAGAGTTTCAAGGATTTAGAACCAATTTGTTCTGATGTCTATCAGAGGCAATTT 1680
Db 1668 TCTTTCAGAGAGTTTCAAGGATTTAGAACCAATTTGTTCTGATGTCTATCAGAGGCAATTT 1727
Qy 1681 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAACATTTTGAACAAGTGAAGAAAGT 1740
Db 1728 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAACATTTTGAACAAGTGAAGAAAGT 1787
Qy 1741 ACAAGGGATCAGTGTGTAATTTGTTCTTCAATAACTGAAATGTTTGGATCTAG 1800
Db 1788 ACAAGGGATCAGTGTGTAATTTGTTCTTCAATAACTGAAATGTTTGGATCTAG 1847

Qy 1801 AATCAGATACAAAATCTATTAGTATGTCAACAGCCATTTAGGCAAAATAGACCTCCTTTA 1860
Db 1848 AATCAGATACAAAATCTATTAGTATGTCAACAGCCATTTAGGCAAAATAGACCTCCTTTA 1907
Qy 1861 AAGCGCTGCTTCTGGTTTACAATTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTT 1920
Db 1908 AAGCGCTGCTTCTGGTTTACAATTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTT 1967
Qy 1921 CATATCATGCTCTTAGAAACTCAGGAAGAGAGATATGTGGATTTAAACCTTAAGA 1980
Db 1968 CATATCATGCTCTTAGAAACTCAGGAAGAGAGATATGTGGATTTAAACCTTAAGA 2027
Qy 1981 GTTCTAAACCATGCTTACTTAAATGTACAGATATGCAAAATCCATAGCTCAATATAAGATC 2040
Db 2028 GTTCTAAACCATGCTTACTTAAATGTACAGATATGCAAAATCCATAGCTCAATATAAGATC 2087
Qy 2041 TGATACTTAGACCAAAAGCAACATTCGTTCTTAAACCATTCCTGTATTTGATTTATAGCA 2100
Db 2088 TGATACTTAGACCAAAAGCAACATTCGTTCTTAAACCATTCCTGTATTTGATTTATAGCA 2147
Qy 2101 AAATGAAAGAGAACTTTAAATGAACACAGCTCTTTAAACCATTCCTGTATTTGATTTATAGCA 2160
Db 2148 AAATGAAAGAGAACTTTAAATGAACACAGCTCTTTAAACCATTCCTGTATTTGATTTATAGCA 2207
Qy 2161 TGACCCAAAGTGGATATTTTCTTAAACCAATCAATAGCTAGCTATTACTGACAGACTA 2220
Db 2208 TGACCCAAAGTGGATATTTTCTTAAACCAATCAATAGCTAGCTATTACTGACAGACTA 2267
Qy 2221 TAAATCTGGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCTATAA 2280
Db 2268 TAAATCTGGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCTATAA 2327
Qy 2281 CAACTTATGACTTAAATATCACTGAATAGAGAGAGAGATTCGCCAGGTATTTTCTTA 2340
Db 2328 CAACTTATGACTTAAATATCACTGAATAGAGAGAGAGATTCGCCAGGTATTTTCTTA 2387
Qy 2341 TTTCTCTCTTAAATTTAT 2400
Db 2388 TTTCTCTCTTAAATTTAT 2447
Qy 2401 GTACTTAAAGTAAAGTTGGTAAAGTATTTACTGCTCTTATTAACATTTTAAAGACAAA 2460
Db 2448 GTACTTAAAGTAAAGTTGGTAAAGTATTTACTGCTCTTATTAACATTTTAAAGACAAA 2507
Qy 2461 GACATTTCAAATAACTGCAAGAAAATATTTGTAGTTTGAATATTTTAAAGCAATAAACTGC 2520
Db 2508 GACATTTCAAATAACTGCAAGAAAATATTTGTAGTTTGAATATTTTAAAGCAATAAACTGC 2567
Qy 2521 TAGTGAGTTATTGT 2534
Db 2568 TAGTGAGTTATTGT 2581

RESULT 13
US-60-465-241-3929
; Sequence 3929, Application US/60465241
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001468
; CURRENT APPLICATION NUMBER: US/60/465,241
; CURRENT FILING DATE: 2003-04-23
; NUMBER OF SEQ ID NOS: 258418
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3929
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-465-241-3929

Query Match 99.8%; Score 2530; DB 116; Length 2581;

Qy	2161	TGACCCAAAGTGGATATTTCTTAAACC	CAATCAATAAGCTAGCTATTACTGCAGACTA	2220
Db	2208	TGACCCAAAGTGGATATTTCTTAAACC	CAATCAATAAGCTAGCTATTACTGCAGACTA	2267
Qy	2221	TAAATCTGGATATAGAAGGAGAC	CTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2280
Db	2268	TAAATCTGGATATAGAAGGAGAC	CTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA	2327
Qy	2281	CAACTTATGACTAAAAATATCACT	GTGAATAAGAGACGAGGATGCCAGGTATTTTCTTA	2340
Db	2328	CAACTTATGACTAAAAATATCACT	GTGAATAAGAGACGAGGATGCCAGGTATTTTCTTA	2387
Qy	2341	TTTCTCTCCTTAAATTTTATATG	TATATAGATATATTTGSCCTTATATTTCTAAGTCACTTAA	2400
Db	2388	TTTCTCTCCTTAAATTTTATATG	TATATAGATATATTTGSCCTTATATTTCTAAGTCACTTAA	2447
Qy	2401	GTACTTAAAGTTAAGTTGGTAAAG	TATTTACTGACTGCTTATAAACATTTTAAAGACAAA	2460
Db	2448	GTACTTAAAGTTAAGTTGGTAAAG	TATTTACTGACTGCTTATAAACATTTTAAAGACAAA	2507
Qy	2461	GACATTTCAATAAATCTGCAGAAA	AAAAATATGTPAGTTTGAATATTTAAGCAATATAA	2520
Db	2508	GACATTTCAATAAATCTGCAGAAA	AAAAATATGTPAGTTTGAATATTTAAGCAATATAA	2567
Qy	2521	TAGTCAGTTATTGT	2534	
Db	2568	TAGTCAGTTATTGT	2581	

RESULT 14

US-60-466-412-7348

; Sequence 7348, Application US/60466412

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; APPLICANT: IAKOUBOVA, Olga

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001466

; CURRENT APPLICATION NUMBER: US/60/466,412

; CURRENT FILING DATE: 2003-04-30

; NUMBER OF SEQ ID NOS: 429241

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 7348

; LENGTH: 2581

; TYPE: DNA

; ORGANISM: Homo sapiens

US-60-466-412-7348

Qy	301	TAATCAGCAACTCAGGGGGACCTGTACAGGCTCTATAGCTTACCTGGTGCAGAAAACTATT	360
Db	348	TAATCAGCAACTCAGGGGGACCTGTACGAGTCTATAGCTTACCTGGTGCAGAAAACTATT	407
Qy	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTGCTTCTTTTCA	420
Db	408	CCTCAGTAGATGCCATGGCATCCAGTCTCAATGCTTTCTAGAYGGTCTGCTTCTTTTCA	467
Qy	421	CAGTAACTAAAGGCCAAAGTAGTACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCAC	480
Db	468	CAGTAACTAAAGGCCAAAGTAGTACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCAC	527
Qy	481	ATCCACCAACAGGTTAAACGACTAAAGAAACACCCGAGAGAAACATGGCCAAATAAGATT	540
Db	528	ATCCACCAACAGGTTAAACGACTAAAGAAACACCCGAGAGAAACATGGCCAAATAAGATT	587
Qy	541	GTTAAGCAGACATTTGCCATTTCTGATTGATGGAAGCTTTAATATTTGGCAGCGCCGATTTA	600
Db	588	GTTAAGCAGACATTTGCCATTTCTGATTGATGGAAGCTTTAATATTTGGCAGCGCCGATTTA	647
Qy	601	ATTTTACAGAGAAATTTTGTGGAAAAGTGCTCTAATGTTGGGNAATTTGGAACAGAGCAC	660
Db	648	ATTTTACAGAGAAATTTTGTGGAAAAGTGCTCTAATGTTGGGNAATTTGGAACAGAGCAC	707
Qy	661	CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTACTTGA AAAACT	720
Db	708	CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTACTTGA AAAACT	767
Qy	721	TTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAATT	780
Db	768	TTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAATT	827
Qy	781	CCAATACAGAAAAGCCCTCAAGCATACTCCTCAGAAATTCCTCACGGTAGATGCTGGAG	840
Db	828	CCAATACAGAAAAGCCCTCAAGCATACTCCTCAGAAATTCCTCACGGTAGATGCTGGAG	887
Qy	841	TAAGAAAAGGGATCCCCAAAAGTGCGTGATTTTATTTGATGGTGGCCCTTCTGATGACA	900
Db	888	TAAGAAAAGGGATCCCCAAAAGTGCGTGATTTTATTTGATGGTGGCCCTTCTGATGACA	947
Qy	901	TCGAGGAAGCAGGCATGTGGCCAGAGAGTTTGGTGCTCAATGTATTTATAGTTTCTGTGG	960
Db	948	TCGAGGAAGCAGGCATGTGGCCAGAGAGTTTGGTGCTCAATGTATTTATAGTTTCTGTGG	1007
Qy	961	CCAAGCCTATCCCTGAAGAACTGGGAGTGGTTCAGGATGTCAATTTGTTGACAAAGGCTG	1020
Db	1008	CCAAGCCTATCCCTGAAGAACTGGGAGTGGTTCAGGATGTCAATTTGTTGACAAAGGCTG	1067
Qy	1021	TCGTGCGGAATATGGCTTCTCTTACACATGCCCAACTGGTTGGCACACACAAAAT	1080
Db	1068	TCGTGCGGAATATGGCTTCTCTTACACATGCCCAACTGGTTGGCACACACAAAAT	1127
Qy	1081	ACGTAAAGCCTCTGGTACAGAACTGTGCATCATGAAACAAATGATGTGCAGCAAGACCT	1140
Db	1128	AYGTAAGCCTCTGGTACAGAACTGTGCATCATGAAACAAATGATGTGCAGCAAGACCT	1187
Qy	1141	GTTATAACTCAGGTGAACATTTGCCCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA	1200
Db	1188	GTTATAACTCAGGTGAACATTTGCCCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA	1247
Qy	1201	ATTTTCGGCCTCATGCTTGAATTTGTTTCCAAATAGCAAGACCTTTTGAATCTCGGACA	1260
Db	1248	ATTTTCGGCCTCATGCTTGAATTTGTTTCCAAATAGCAAGACCTTTTGAATCTCGGACA	1307
Qy	1261	TTGGTGCCAAAGATAGCTGTGTACAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTCA	1320
Db	1308	TTGGTGCCAAAGATAGCTGTGTACAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTCA	1367
Qy	1321	CTGACTATAGCAACCAAGAAAGTCTTAGCTGTCTATCAGAACATCCGCTATATGAGTG	1380
Db	1368	CTGAYTATAGCAACCAAGAAAGTCTTAGCTGTCTATCAGAACATCCGCTATATGAGTG	1427
Qy	1381	GTGGAACAGCTACTGGTGATGCCATTTTCCTTCTACTGTAGAAATGTGTTTGGCCCTATAA	1440

Db 1428 GTGGAACAGCTACTGGTGATGCCATTTCCTTCTCATTAGAAATGTGTTGGCCCTATAA 1487
Qy 1441 GGGAGAGCCCAACAGAACTTCTAGTAATTCCTCAGATGGCGAGTCTATGATGATG 1500
Db 1488 GGGAGAGCCCAACAGAACTTCTAGTAATTCCTCAGATGGCGAGTCTATGATGATG 1547
Qy 1501 TCCAAAGCCCTGAGCTGCTGACATGATGACGAATCACTATCTCTCTGTTGGTGTGG 1560
Db 1548 TCCAAAGCCCTGAGCTGCTGACATGATGACGAATCACTATCTCTCTGTTGGTGTGG 1607
Qy 1561 CTTGGGACCTCTGGATGACCTGAAAGATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1608 CTTGGGACCTCTGGATGACCTGAAAGATGCTTCTAAACCGAAGGAGTCTCATGCTT 1667
Qy 1621 TCTTCACAGAGAGTTCACAGGATTAAGCAATTTCTGATGTCATCAGAGGCATTT 1680
Db 1668 TCTTCACAGAGAGTTCACAGGATTAAGCAATTTCTGATGTCATCAGAGGCATTT 1727
Qy 1681 GTAGAGATTTCTTAGAATCCAGCAATTAATGGTAAATTTTGACAACTGAAAGAAAAGT 1740
Db 1728 GTAGAGATTTCTTAGAATCCAGCAATTAATGGTAAATTTTGACAACTGAAAGAAAAGT 1787
Qy 1741 ACAAGGGATCCAGTGTGTAATTTGATTTCTATAATCTGTAATGCTTTAGCATACTAG 1800
Db 1788 ACAAGGGATCCAGTGTGTAATTTGATTTCTATAATCTGTAATGCTTTAGCATACTAG 1847
Qy 1801 AATCAGATCAAAACTTAATGATGATGTCACAGCCATTTAGGCAATTAAGCACTCTCTTA 1860
Db 1848 AATCAGATCAAAACTTAATGATGATGTCACAGCCATTTAGGCAATTAAGCACTCTCTTA 1907
Qy 1861 AAGCCGCTGCTTCTGCTACAAATTTACAGTGTACTTTGTTAAACACCTGCTGAGCCT 1920
Db 1908 AAGCCGCTGCTTCTGCTACAAATTTACAGTGTACTTTGTTAAACACCTGCTGAGCCT 1967
Qy 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATTAATGTGGATTTAAACCTTTAAGA 1980
Db 1968 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATTAATGTGGATTTAAACCTTTAAGA 2027
Qy 1981 GTTCTAACCATGCTACTAATGTACAGATATGCAATTTCCATAGCTCAATAAAGATC 2040
Db 2028 GTTCTAACCATGCTACTAATGTACAGATATGCAATTTCCATAGCTCAATAAAGATC 2087
Qy 2041 TGATCTTAGACAAAGCAACATTCGTTCTCTAAACCTCTGTTATTTGATTTATTAAGCA 2100
Db 2088 TGATCTTAGACAAAGCAACATTCGTTCTCTAAACCTCTGTTATTTGATTTATTAAGCA 2147
Qy 2101 AAATGAAAGAGAAACTTAAATGAACAACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2160
Db 2148 AAATGAAAGAGAAACTTAAATGAACAACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2207
Qy 2161 TGACCCAAAGTGGATATTTCTTAAACCAATCAATTAATAGCTAGTATTAATCTGACACTA 2220
Db 2208 TGACCCAAAGTGGATATTTCTTAAACCAATCAATTAATAGCTAGTATTAATCTGACACTA 2267
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACCTGTTTGTAGTGTTTTCATAA 2280
Db 2268 TAAATCTGATATAGAAAGGACCTGTATCAACCTGTTTGTAGTGTTTTCATAA 2327
Qy 2281 CAATCTATGACTAAAATATACACTGAATAAGAGAGAGAGATTTGCGAGGTATTTTCTA 2340
Db 2328 CAATCTATGACTAAAATATACACTGAATAAGAGAGAGAGATTTGCGAGGTATTTTCTA 2387
Qy 2341 TTTCTCTCTTAAATTTATATATATATATATTTGGCTTATATTTCTAAGTCACTAA 2400
Db 2388 TTTCTCTCTTAAATTTATATATATATATATTTGGCTTATATTTCTAAGTCACTAA 2447
Qy 2401 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACTGCTTATAAATTAAGACAAA 2460
Db 2448 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACTGCTTATAAATTAAGACAAA 2507
Qy 2461 GACATTTCAATTAACTCAGAAAAATATTTGATTTGATTTTAAAGCAATTAAGCACTG 2520

Db 2508 GACATTTCAATAAATCACTGAGAAAAATATTTGATTTGATTTGAATATTTAAGCAATAAACTGC 2567
Qy 2521 TAGTGAGTTATTCT 2534
Db 2568 TAGTGAGTTATTCT 2581
RESULT 15
US-10-940-774-2423
; Sequence 2423, Application US/10940774
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-10-940-774-2423

Query Match 98.9%; Score 2506.2; DB 66; Length 2882;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2508; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 24 TCTCGAGCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
Db 372 TCTCTCCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 431
Qy 84 GGCCTCGGTGTGTCTGTCTGCTGCGGGGCCCGGGGAGCGAGGAGCGGCTCCC 143
Db 432 GGCCTCGGTGTGTCTGTCTGCTGCGGGGCCCGGGGAGCGAGGAGCGGCTCCC 491
Qy 144 ATTGCTATCACATGTTTTTACAGAGGCTTTGGACATCAGAAAGAGAAAGACAGATGTCTC 203
Db 492 ATTGCTATCACATGTTTTTACAGAGGCTTTGGACATCAGAAAGAGAAAGACAGATGTCTC 551
Qy 204 TGCCCAAGGGGCTGCCCTCTTTCAGGAATTTCTCTGTATGGGAACATAGTATATGCTTCT 263
Db 552 TGCCCAAGGGGCTGCCCTCTTTCAGGAATTTCTCTGTATGGGAACATAGTATATGCTTCT 611
Qy 264 GTATCAGCATATGTGGGGCTGTGTCCACAGGGAGTAAATCAGCAATCTCAGGGGACCT 323
Db 612 GTATCAGCATATGTGGGGCTGTGTCCACAGGGAGTAAATCAGCAATCTCAGGGGACCT 671
Qy 324 GTACGAGTCTATAGCTTACCTGTCGAGAAACTATTCCTCAGTAGTCCCAATGGCATC 383
Db 672 GTACGAGTCTATAGCTTACCTGTCGAGAAACTATTCCTCAGTAGTCCCAATGGCATC 731
Qy 384 CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCACAGTAACTAAAGCAAAAGTAGT 443
Db 732 CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCACAGTAACTAAAGCAAAAGTAGT 791
Qy 444 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCATCCACCAACAGGTAAACGACTA 503
Db 792 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCATCCACCAACAGGTAAACGACTA 851
Qy 504 AAGAAACACCCGAGAGAAACTGCAATTAAGATTGTAAAGCAGACATTTGCTTCTG 563
Db 852 AAGAAACACCCGAGAGAAACTGCAATTAAGATTGTAAAGCAGACATTTGCTTCTG 911
Qy 564 ATTGATGGAAGCTTTTAAATATTGGGACGCGCCGATTTTAAATTTTACAGAAAGATTTTGG 623

Db 912 ATTGATGGAAGCTTTAATAATTGGCGCAGCGCGGATTTAAATTTTACAGAAGAAATTTTGTGGG 971
Qy 624 AAGTGGCTCTAATGTTGGAAATTTGGAAACAGAGGACCAATGTTGGCCCTGTTTCAAGCC 693
Db 972 AAGTGGCTCTAATGTTGGAAATTTGGAAACAGAGGACCAATGTTGGCCCTGTTTCAAGCC 1031
Qy 684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATACTTTACATCAGCCAAAGATGTTTGG 743
Db 1032 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATACTTTACATCAGCCAAAGATGTTTGG 1091
Qy 744 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAATTTCCAATAACAGAAAGCCTTTGAAG 803
Db 1092 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAATTTCCAATAACAGAAAGCCTTTGAAG 1151
Qy 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1152 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1211
Qy 864 GTGGTGGTATTTATTCATGGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGGCC 923
Db 1212 GTGGTGGTATTTATTCATGGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGGCC 1271
Qy 924 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAAGAACTG 983
Db 1272 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAAGAACTG 1331
Qy 984 GGGATGGTTCAGATGTCATTTGTTGTGACAGGCTGTCTGCGAATTAATGGCTTCTTC 1043
Db 1332 GGGATGGTTCAGATGTCATTTGTTGTGACAGGCTGTCTGCGAATTAATGGCTTCTTC 1391
Qy 1044 TCTTACACATGCCCAACTGGTTTGGCCACCACAAAATAGTAAAGCCTCTGGTACAGAAG 1103
Db 1392 TCTTACACATGCCCAACTGGTTTGGCCACCACAAAATAGTAAAGCCTCTGGTACAGAAG 1451
Qy 1104 CTGTGCACTCATGAACAAATAGTGTGCAGCAAGCCTGTATTAATCTCAGTGAACATTGCC 1163
Db 1452 CTGTGCACTCATGAACAAATAGTGTGCAGCAAGCCTGTATTAATCTCAGTGAACATTGCC 1511
Qy 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGTAGCAATTTCCGCCCTCATGCTGTAATTT 1223
Db 1512 TTTCTAATGATGGCTCCAGCAGTGTGGAGTAGCAATTTCCGCCCTCATGCTGTAATTT 1571
Qy 1224 GTTTCACACATAGCCAAAGCTTTTGAATCTCGGACATTTGGTGCCCAAGATAGCTGTGA 1283
Db 1572 GTTTCACACATAGCCAAAGCTTTTGAATCTCGGACATTTGGTGCCCAAGATAGCTGTGA 1631
Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATAGCAACCAAGAGAAT 1343
Db 1632 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATAGCAACCAAGAGAAT 1691
Qy 1344 GTCCCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTTGATGCC 1403
Db 1692 GTCCCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTTGATGCC 1751
Qy 1404 ATTTTCCTTCACTGTGTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1463
Db 1752 ATTTTCCTTCACTGTGTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1811
Qy 1464 CTAGTAAATTTGTACAGATGGCAGTCTTATGATGATGTCCTCAAGGCCCTGCAGCTGCTGA 1523
Db 1812 CTAGTAAATTTGTACAGATGGCAGTCTTATGATGATGTCCTCAAGGCCCTGCAGCTGCTGA 1871
Qy 1524 CATGATGAGGAATCACTATCTCTCTGTGTGGTGGCTTGGGCACCTCTGGATGACCTG 1583
Db 1872 CATGATGAGGAATCACTATCTCTCTGTGTGGTGGCTTGGGCACCTCTGGATGACCTG 1931
Qy 1584 AAAGATATGGCTTCTAAAACGAGAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1643
Db 1932 AAAGATATGGCTTCTAAAACGAGAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1991
Qy 1644 TTAGAACCAATGTTTCTCATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCGAG 1703
Db 1992 TTAGAACCAATGTTTCTCATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCGAG 2051

Qy 1704 CAATAATGTAACATTTTGCACAACTGAAAGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 1763
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Qy 1764 TGTATTTCTCATATACTGAAATGCTTTAGCATACTAGAACTAGATACAGATACAAACCTATTAAAGT 1823
Db 2112 TGTATTTCTCATATACTGAAATGCTTTAGCATACTAGAACTAGATACAGATACAAACCTATTAAAGT 2171
Qy 1824 ATGTCAACAGCATTATTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2172 ATGTCAACAGCATTATTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2231
Qy 1884 TTTTACAGTGTACTTTTGTTHAAAACACATGCTGAGGCTTCATATATCATGGCTCTTAGAACT 1943
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Qy 1944 CAGGAAAGAGGAGATAATGTTGATTTAAACCTTTAAGAGTTCCTAACCATGCTTAAATG 2003
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Qy 2004 TACAGATATGCAAAATTTCCATAGCTCAATAAAAAAGAAATCTGATATCTTAGACCAAAAGCAACA 2063
Db 2352 TACAGATATGCAAAATTTCCATAGCTCAATAAAAAAGAAATCTGATATCTTAGACCAAAAGCAACA 2411
Qy 2064 TTTGGTCTCTAACCAATCTGATATTTATATATAGCAAAATGAAAGAGAAACTTAAATG 2123
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Db 2472 AACACAGCTCTTTTAAACATGTTTCACTACACATATTTTGACCAAGTGGATATTTTCTTA 2531
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Db 2532 AAACCAATCAATTAATAGCTAGCTATTTACTGCAGACTATATAAAATCTGGATATAGAAAGGAG 2591
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Qy 2304 ACTGAATAAGAGAGAGGATTTGCCAGGTATTTTCTATTTCTCTCTCTTAAATTTATATGT 2363
Db 2652 ACTGAATAAGAGAGAGGATTTGCCAGGTATTTTCTATTTCTCTCTCTTAAATTTATATGT 2711
Qy 2364 ATATAGATATATTTTGGCTTATATTTCTAAGTCACTTAAGTACTTAAAAAGTTAAGTTGGTAA 2423
Db 2712 ATATAGATATATTTTGGCTTATATTTCTAAGTCACTTAAGTACTTAAAAAGTTAAGTTGGTAA 2771
Qy 2424 AGTATTTTACTGACTGCTTATATAACATTTTAAAGACAAAGACATTTTCAAAATNACTGCAGAA 2483
Db 2772 AGTATTTTACTGACTGCTTATATAACATTTTAAAGACAAAGACATTTTCAAAATNACTGCAGAA 2831
Qy 2484 AAATATTTGTAGTTTGAATATTTTAAAGCAATAAAACTGCTAGTGTATTTGT 2534
Db 2832 AAATATTTGTAGTTTGAATATTTTAAAGCAATAAAACTGCTAGTGTATTTGT 2882

Search completed: August 21, 2005, 15:43:45
Job time : 6397 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 12:06:37 ; Search time 2326 Seconds
(without alignments)
14329.776 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactgggcgcgcgggt.....aactgtagtgtattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 23769627 seqs, 657676716 residues

Total number of hits satisfying chosen parameters: 47539254

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents: NA New: *

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- 2: /cgn2_6/ptodata/1/pna/PCT_NEW_COMB.seq2:*
- 3: /cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*
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- 24: /cgn2_6/ptodata/1/pna/US11_NEW_COMB.seq6:*
- 25: /cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2534	100.0	2534	14	US-10-940-774A-581
2	2534	100.0	2534	14	US-10-940-774A-2974
3	2506.2	98.9	2882	14	US-10-940-774A-2423
4	2028.8	80.1	2403	6	US-09-904-532B-226
5	2028.8	80.1	2403	12	US-10-184-644-45
6	2028.8	80.1	2403	12	US-10-192-007-45
7	2028.8	80.1	2403	12	US-10-180-554-45
8	2028.8	80.1	2403	14	US-10-179-524-45
					Sequence 581, App
					Sequence 2974, App
					Sequence 2423, App
					Sequence 226, App
					Sequence 45, Appl
					Sequence 45, Appl
					Sequence 45, Appl
					Sequence 45, Appl

ALIGNMENTS

RESULT 1

US-10-940-774A-581

; Sequence 581, Application US/10940774A

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/10/940,774A

; PRIOR FILING DATE: 2004-09-15

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 581

; LENGTH: 2534

; TYPE: DNA

; ORGANISM: Human

US-10-940-774A-581

Query Match 100.0%; Score 2534; DB 14; Length 2534;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCACCTGGGCGCAGCCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60

|||||

Db 1 GCACCTGGGCGCAGCCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60

|||||

[illegible]

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RESULT 2
US-10-940-774A-2974
; Sequence 2974, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2974
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-2974

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Query Match	100.0%;	Score 2534;	DB 14;	Length 2534;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2534;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT	60	
Db	1	GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT	60	
Qy	61	CCGCAGCCTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTCTGTCTGCTGCCGGGGCCCG	120	
Db	61	CCGCAGCCTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTCTGTCTGCTGCCGGGGCCCG	120	
Qy	121	CGGGCAGCAGGAGCGCGTCCCATGTCTATCATCATGTTTTACGAGGCTTGGACATCA	180	
Db	121	CGGGCAGCAGGAGCGCGTCCCATGTCTATCATCATGTTTTACGAGGCTTGGACATCA	180	
Qy	181	GGAAGAGAAGACAGATGTCCTCTGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGT	240	
Db	181	GGAAGAGAAGACAGATGTCCTCTGCCAGGGGGCTGCCCTCTTGAGGAATCTCTGTGT	240	
Qy	241	ATCGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTGCCAGGGGAG	300	
Db	241	ATCGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTGCCAGGGGAG	300	
Qy	301	TAATCAGCAACTCAGGGGGACCTGTACGAGTCTATAGCCCTACCTGCTCGAGGAAACTATT	360	

Db 1381 GTGGAACAGCTACTGGTGATGCCATTCCTTCTACTGTTAGAAATGTTTGGGCCCTATAA 1440
Qy 1441 GGGAGAGCCCAACAAGAACTTCTTAGTAATGTGCAGATGGGCACTCTATGATGATG 1500
Db 1441 GGGAGAGCCCAACAAGAACTTCTTAGTAATGTGCAGATGGGCACTCTATGATGATG 1500
Qy 1501 TCCAAGGCCCTGCAGCTGCTGCACATGATCGAGGAATCAGTATCTTCTGTGGTGTGG 1560
Db 1501 TCCAAGGCCCTGCAGCTGCTGCACATGATCGAGGAATCAGTATCTTCTGTGGTGTGG 1560
Qy 1561 CTGGGCACTCTGGATGACCTGAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1561 CTGGGCACTCTGGATGACCTGAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Qy 1621 TCTTCAAGAGAGTTCAAGGATTAGAACCAATGTTCTGTATGTCATCAGAGGCATTT 1680
Db 1621 TCTTCAAGAGAGTTCAAGGATTAGAACCAATGTTCTGTATGTCATCAGAGGCATTT 1680
Qy 1681 GTAGAGATTCTTAGAATCCAGCAATAATGTTAACTTTTGACAACTGAAGAAAAGT 1740
Db 1681 GTAGAGATTCTTAGAATCCAGCAATAATGTTAACTTTTGACAACTGAAGAAAAGT 1740
Qy 1741 ACAAGGGATCCAGTGTGTAATTTGTTATCTCATATACTGAAATGCTTTAGCATACTAG 1800
Db 1741 ACAAGGGATCCAGTGTGTAATTTGTTATCTCATATACTGAAATGCTTTAGCATACTAG 1800
Qy 1801 AATCAGATACAAACTATTAAAGTATGTCAACGCCATTTAGGCAATAAGCACTCTTTA 1860
Db 1801 AATCAGATACAAACTATTAAAGTATGTCAACGCCATTTAGGCAATAAGCACTCTTTA 1860
Qy 1861 AAGCGCTGCTTCTGTTACAAATTTACAGTGACTTTTGTAAACACCTGCTGAGGCTT 1920
Db 1861 AAGCGCTGCTTCTGTTACAAATTTACAGTGACTTTTGTAAACACCTGCTGAGGCTT 1920
Qy 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATAATGTGGATTAAACCTTAAAG 1980
Db 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATAATGTGGATTAAACCTTAAAG 1980
Qy 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGAAATC 2040
Db 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGAAATC 2040
Qy 2041 TGATACTTAGACAAAGCAACATTCGTTCTCTAACCATTCGTTATTTGATTTATATAAGCA 2100
Db 2041 TGATACTTAGACAAAGCAACATTCGTTCTCTAACCATTCGTTATTTGATTTATATAAGCA 2100
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTCCAGGTACACATATTT 2160
Db 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTCCAGGTACACATATTT 2160
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Db 2161 TGAACCAAGTGGATATTTCTTAAACCAATCAATTAATAGCTAGCTATTTACTGCACTA 2220
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Qy 2281 CAACTTATGACTAAAAATATCACTGAATAAGAGAGCAGGATGTCAGGATTTTTCCTA 2340
Db 2281 CAACTTATGACTAAAAATATCACTGAATAAGAGAGCAGGATGTCAGGATTTTTCCTA 2340
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Db 2341 TTTCTCTCTTAATTTTATATAGATATATTTGGCTTATTTCTAAGTCACCTAA 2400
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Qy 2461 GACATTTCAAAATCTGCAGAAAAAATATTTGATGTTGAAATTTTAAAGCAATTAACCTGC 2520
Db 2461 GACATTTCAAAATCTGCAGAAAAAATATTTGATGTTGAAATTTTAAAGCAATTAACCTGC 2520

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RESULT 3

US-10-940-774A-2423
; Sequence 2423, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-2423

Query Match 98.9%; Score 2506.2; DB 14; Length 2882;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2508; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy 84 GGCCTCGGTGTGTCTGTCTGTGTCGCGGGGCCGCGGGCAGCGAGGAGCCGCTCCC 143
Db 432 GGCCTCGGTGTGTCTGTCTGTGTCGCGGGGCCGCGGGCAGCGAGGAGCCGCTCCC 491
Qy 144 ATTGCTATCACAATGTTTACACAGAGCTTGGACATCAGAAAGAGAGAGAGATGCTCTC 203
Db 492 ATTGCTATCACAATGTTTACACAGAGCTTGGACATCAGAAAGAGAGAGATGCTCTC 551
Qy 204 TGCCCAAGGGGGTGCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 552 TGCCCAAGGGGGTGCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT 611
Qy 264 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGAGTAATCAGCAACTCAGGGGGAGCT 323
Db 612 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGAGTAATCAGCAACTCAGGGGGAGCT 671
Qy 324 GTACAGGCTATAGCTACCTGTCGAGAAACTTATCTCAGTAGATGCCAATGGCATC 383
Db 672 GTACAGGCTATAGCTACCTGTCGAGAAACTTATCTCAGTAGATGCCAATGGCATC 731
Qy 384 CAGTCTCAATATGCTTTCTAGATGGTCTGCTCTTTTACAGTAATCTAAAGGCCAAAGTAGT 443
Db 732 CAGTCTCAATATGCTTTCTAGATGGTCTGCTCTTTTACAGTAATCTAAAGGCCAAAGTAGT 791
Qy 444 ACACAGGAGGCCACAGGACAAGGAGTGTCCACAGCATATCCACCAAGGTTAAACGACTA 503
Db 792 ACACAGGAGGCCACAGGACAAGGAGTGTCCACAGCATATCCACCAAGGTTAAACGACTA 851
Qy 504 AAGAAAAACCCGAGAGAAACTTGGCAATATAAGATTCTTAAGCAGACATTTGCATTTCG 563
Db 852 AAGAAAAACCCGAGAGAAACTTGGCAATATAAGATTCTTAAGCAGACATTTGCATTTCG 911
Qy 564 ATTGATGGAAGCTTTAATATTATTTGGGCGCGCGATTTAAATTTTACAGAAATTTTGTGGA 623
Db 912 ATTGATGGAAGCTTTAATATTATTTGGGCGCGCGATTTAAATTTTACAGAAATTTTGTGGA 971

QY 624 AAAGTGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCTTGTTCAGGCC 683
DB 972 AAAGTGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCTTGTTCAGGCC 1031
QY 684 AGTGACATCCCAAAATAGAAATTTACTTGAAAACTTTACATCAGCCAAAGATGTTTG 743
DB 1032 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACTTTACATCAGCCAAAGATGTTTG 1091
QY 744 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAAATCCCAATACAGGAAAGCCTTGAAG 803
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DB 1872 CATGATCAGGAATCACTATCTCTCTGTTGTTGTTGGCTTGGGCACCTCTGGATGACCTG 1931
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QY 1704 CAATAATGTTAAACATTTTGAACAACCTGAAAGAAAGTACAAGGGGATCCAGTGTGTAAAT 1763
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DB 2172 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTCTCTGTTACAA 2231
QY 1884 TTTACAGTGTATCTTTGTTTAAACACCTGCTGAGGCTTCTATAATCATGCGCTCTTAGAACT 1943
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DB 2292 CAGGAAGAGGAGATTAATGGAATTAACCTTTAAGAGTTCTAACCATGCTCTACTAAATG 2351
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DB 2352 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTGATACCTTAGACCCAAAGCAACA 2411
QY 2064 TTCGTTTCTCTAACCATTTCTGTATTGATTATATAGCAAAATGAAAGAGAACTTTAAATG 2123
DB 2412 TTCGTTTCTCTAACCATTTCTGTATTGATTATATAGCAAAATGAAAGAGAACTTTAAATG 2471
QY 2124 AACACAGCTCTTTTAAACATGTTTCAAGTACACATATTTTGNCCCAAGTGGATATTTCTTA 2183
DB 2472 AACACAGCTCTTTTAAACATGTTTCAAGTACACATATTTTGNCCCAAGTGGATATTTCTTA 2531
QY 2184 AAACCAATCAATAATAGTAGCTATTACTGCAGACTATAAATCTGGATATAGAAAGGAG 2243
DB 2532 AAACCAATCAATAATAGTAGCTATTACTGCAGACTATAAATCTGGATATAGAAAGGAG 2591
QY 2244 ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATACAACTTATGATGATGATGATA 2303
DB 2592 ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATACAACTTATGATGATGATA 2651
QY 2304 ACTGAATAGAGAGGAGGATGCGCAGGATTTTCTTCTCTCTCTTAAATTTATATGT 2363
DB 2652 ACTGAATAGAGAGGAGGATGCGCAGGATTTTCTTCTCTCTCTTAAATTTATATGT 2711
QY 2364 ATATAGATATTTTGGCTTATATTCTAAGTCACTTAAGTACTTAAAGTAAAGTTGATA 2423
DB 2712 ATATAGATATTTTGGCTTATATTCTAAGTCACTTAAGTACTTAAAGTAAAGTTGATA 2771
QY 2424 AGTATTTACTGACTGCTTATAAACAATTTAAAGCAAAAGACATTTCAAATTAACCTGCAAAA 2483
DB 2772 AGTATTTACTGACTGCTTATAAACAATTTAAAGCAAAAGACATTTCAAATTAACCTGCAAAA 2831
QY 2484 AAATATTGATGTTTGAATATTTAAGCAATAAAGCTGCTAGTGTATTTGT 2534
DB 2832 AAATATTGATGTTTGAATATTTAAGCAATAAAGCTGCTAGTGTATTTGT 2882

RESULT 4

US-09-904-532B-226
; Sequence 226, Application US/09904532B
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.

```
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Peoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,532B
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-532B-226

Query Match      80.1%; Score 2028.8; DB 6; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      24  TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCGCGAGCCTGGATCCCGGCTCTC 83
DB      363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCGCGAGCCTGGATCCCGGCTCTC 422

QY      84  GGCTCGGTGTGTCTGCTGCTGCTGCGGGGCCCGCGGCGAGCGGAGCGGCTCCC 143
DB      423  GGCTCGGTGTGTCTGCTGCTGCTGCGGGGCCCGCGGCGAGCGGAGCGGCTCCC 482

QY      144  ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 203
DB      483  ATTGCTATCACATGTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 542

QY      204  TGCCCGAGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGGGAAACATAGTATATGTTCT 263
DB      543  TGCCCGAGGGGCTGCCCTCTTGAGGAATTCCTGTGTATGGGAAACATAGTATATGTTCT 602

QY      264  GTATCGAGCATATGTGGGGCTGTGTCACAGGGGAGTAAATCAGAACTCAGGGGACCT 323
DB      603  GTATCGAGCATATGTGGGGCTGTGTCACAGGGGAGTAAATCAGAACTCAGGGGACCT 562

QY      324  GTACGAGCTATAGCCTTACCTGTCGAGAAACTATTCCTCAGTAGATGCCAATGGCATC 383
DB      663  GTACGAGCTATAGCCTTACCTGTCGAGAAACTATTCCTCAGTAGATGCCAATGGCATC 722
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QY      384  CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTTCAAGTAACTAAAGCAAAAGTAGT 443
DB      723  CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTTCAAGTAACTAAAGCAAAAGTAGT 782

QY      444  ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACACAGAGTAAACGACTA 503
DB      783  ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACACAGAGTAAACGACTA 842

QY      504  AAGAAAAACCCGAGAGAAAACTTGGCAATAAAGATTGTAAAGCAGACATTTGTCATTTCTG 563
DB      843  AAGAAAAACCCGAGAGAAAACTTGGCAATAAAGATTGTAAAGCAGACATTTGTCATTTCTG 902

QY      564  ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTACAGAAGAATTTTGTGGA 623
DB      903  ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTACAGAAGAATTTTGTGGA 962

QY      624  AAGTGGCTCTAATGTTGGGAATTCGAACAGAGGACACATGTGGGCCCTTGTTCAGGCC 683
DB      963  AAGTGGCTCTAATGTTGGGAATTCGAACAGAGGACACATGTGGGCCCTTGTTCAGGCC 1022

QY      684  AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 743
DB      1023  AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082

QY      744  TTTGCCATAAAGAAAGTAGGTTTTCAGAGGGGTAAATTCAAATACAGGAAAGCCTTGAAG 803
DB      1083  TTTGCCATAAAGAAAGTAGGTTTTCAGAGGGGTAAATTCAAATACAGGAAAGCCTTGAAG 1142

QY      804  CATACTGCTCAGAAATTCCTTACGCTAGATGCTGGAGTAAGAAAGGGATCCCAAGAGT 863
DB      1143  CATACTGCTCAGAAATTCCTTACGCTAGATGCTGGAGTAAGAAAGGGATCCCAAGAGT 1202

QY      864  GTGTGGTATTTATTTGATGTTGGCTTCTGATGACATCGAGGAAAGCAGGCAATTTGGGCC 923
DB      1203  GTGTGGTATTTATTTGATGTTGGCTTCTGATGACATCGAGGAAAGCAGGCAATTTGGGCC 1262

QY      924  AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGACCTATCCCTGAGAACTG 983
DB      1263  AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGACCTATCCCTGAGAACTG 1322

QY      984  GGGATGGTTTCAGATGTCAATTTGTGACAGGCTGTCTGCGGAATAATGGCTTCTTC 1043
DB      1323  GGGATGGTTTCAGATGTCAATTTGTGACAGGCTGTCTGCGGAATAATGGCTTCTTC 1382

QY      1044  TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTTACAGAA 1103
DB      1383  TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTTACAGAA 1442

QY      1104  CTGTGCATCATGAACNAATGATGTGCAGCAGACCTGTTATACTCAGTGAACATTGCC 1163
DB      1443  CTGTGCATCATGAACNAATGATGTGCAGCAGACCTGTTATACTCAGTGAACATTGCC 1502

QY      1164  TTTCTAAATTTAGTGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB      1503  TTTCTAAATTTAGTGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562

QY      1224  GTTTCACACATAGCCAAAGCTTTTGAATCTCGGACATTTGGTGCCAAAGATAGCTGCTGA 1283
DB      1563  GTTTCACACATAGCCAAAGCTTTTGAATCTCGGACATTTGGTGCCAAAGATAGCTGCTGA 1622

QY      1284  CAGTTTACTTATGATCAGCGGACGAGTTTCAGTTTTCAGTACTATAGCAACCAAGGAAT 1343
DB      1623  CAGTTTACTTATGATCAGCGGACGAGTTTTCAGTTTTCAGTACTATAGCAACCAAGGAAT 1682

QY      1344  GTCTAGCTGTCTCATCAGAAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1403
DB      1683  GTCTAGCTGTCTCATCAGAAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1742

QY      1404  ATTTCTCTTCACTGTTAGAAAATGTTGTCCTTATAGGGAGAGCCCCAACAGAACTTTC 1463
DB      1743  ATTTCTCTTCACTGTTAGAAAATGTTGTCCTTATAGGGAGAGCCCCAACAGAACTTTC 1802
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QY 1464 CTAGTAATGTGTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGCGAGCTGCTGCA 1523
Db CTAGTAATGTGTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGCGAGCTGCTGCA 1862
QY 1524 CATGATGACGAAATCATTCTCTCTGTTGGTGTGGCTTGGGACCTCTGGATGACCTG 1583
Db CATGATGACGAAATCATTCTCTCTGTTGGTGTGGCTTGGGACCTCTGGATGACCTG 1922
QY 1584 AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1643
Db AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1982
QY 1644 TTGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCAG 1703
Db TTGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCAG 2042
QY 1704 CAATAATGTTAACTTTTGAACCTGAAAGAAAAGTACAAGGGGATCCAGTGTGTAAT 1763
Db CAATAATGTTAACTTTTGAACCTGAAAGAAAAGTACAAGGGGATCCAGTGTGTAAT 2102
QY 1764 TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAAATCTATTAAAT 1823
Db TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAAATCTATTAAAT 2162
QY 1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGTTACAA 1883
Db ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGTTACAA 2222
QY 1884 TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 1943
Db TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 2282
QY 1944 CAGGAAGAGGAGATATGGAATTAACAACTTAAAGAGTCTTAACCATGCTCTACTAAATG 2003
Db CAGGAAGAGGAGATATGGAATTAACAACTTAAAGAGTCTTAACCATGCTCTACTAAATG 2342
QY 2004 TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTACAGCAAAAGCAACA 2063
Db TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTACAGCAAAAGCAACA 2402

RESULT 5

US-10-184-644-45
; Sequence 45, Application US/10184644
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ-ID NO 45
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-45

Query Match 80.1%; Score 2028.8; DB 12; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTTGGATCCCGGCTCTC 83
Db TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTTGGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGCTGTGCTGCCGGGCCCGCGGCGAGCGAGGAGCGCTCCC 143
Db GGCCTCGGTGTGTCTGCTGTGCTGCCGGGCCCGCGGCGAGCGAGGAGCGCTCCC 482
QY 144 ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGACAGATGCTTC 203
Db ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGACAGATGCTTC 542
QY 204 TGCCCGAGGGGCTGCCCTCTTACAGGAATTCCTGTGTATGGGAACATAGTATATGCTTCT 263
Db TGCCCGAGGGGCTGCCCTCTTACAGGAATTCCTGTGTATGGGAACATAGTATATGCTTCT 602
QY 264 GTATCAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGGACCT 323
Db GTATCAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGGACCT 662
QY 324 GTACGAGTCTATAGCCTTACCTGTGAGAAACTATTCCTCAGTAGATGCAATGGCATC 383
Db GTACGAGTCTATAGCCTTACCTGTGAGAAACTATTCCTCAGTAGATGCAATGGCATC 722
QY 384 CAGTCTCAATGCTTTCTAGATGCTGCTCTTTCCACAGTACTTAAAGCAAAAGTAGT 443
Db CAGTCTCAATGCTTTCTAGATGCTGCTCTTTCCACAGTACTTAAAGCAAAAGTAGT 782
QY 444 ACACAGGAGGCCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 503
Db ACACAGGAGGCCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842
QY 504 AAGAAACACCCGAGAGAAACTGGCAATAAAGATTTAAAGCAGACATATGCAATTTCTG 563
Db AAGAAACACCCGAGAGAAACTGGCAATAAAGATTTAAAGCAGACATATGCAATTTCTG 902
QY 564 ATTGATGGAAGCTTTTAAATATGGCGAGCCGCGGATTTAAATTTACAGAGAAATTTTGGGA 623
Db ATTGATGGAAGCTTTTAAATATGGCGAGCCGCGGATTTAAATTTACAGAGAAATTTTGGGA 962
QY 624 AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAACATGTGGGCCCTTGTTCAGGCC 683
Db AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAACATGTGGGCCCTTGTTCAGGCC 1022
QY 684 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 743
Db AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082
QY 744 TTTGCCATAAAGGAGTAGTGTTCAGAGGGGTAAATTTCCAAATACAGGAAAGCCTTGAAG 803
Db TTTGCCATAAAGGAGTAGTGTTCAGAGGGGTAAATTTCCAAATACAGGAAAGCCTTGAAG 1142
QY 804 CATACTGCTCAGAAATTTCTTACGGGTAGATGCTGGAGTAAGAAAGGGATCCCCAAAGTG 863

1143 CATACGCTCAGAAATCTTCA CGGTAGATGCTGGAGTAGAAGAGGATCCCAAGTG 1202
864 GTGGTGATATTTATGATGTTGGCTTCTGTGATGACATCGAGGAAGCAGGCATGTGGCC 923
1203 GTGGTGATATTTATGATGTTGGCTTCTGTGATGACATCGAGGAAGCAGGCATGTGGCC 1262
924 AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCCAAGCCTATCCCTGAGAACTG 983
1263 AGAGAGTTTGGTGTCAATGATTTATATAGTTTCTGTGGCCCAAGCCTATCCCTGAGAACTG 1322
984 GGGATGGTTCCAGGATGTCAATTTGTTGACAAAGCTGTCTGTGCGAATAATGCTCTTTC 1043
1323 GGGATGGTTCCAGGATGTCAATTTGTTGACAAAGCTGTCTGTGCGAATAATGCTCTTTC 1382
1044 TCTTACACATGCCCACCTGGTTGGCCACCAAAAATACATAAAGCTCTGGTACAGAAG 1103
1383 TCTTACACATGCCCACCTGGTTGGCCACCAAAAATACATAAAGCTCTGGTACAGAAG 1442
1104 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATGGC 1163
1443 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATGGC 1502
1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
1224 GTTTCACATAGCCCAAGCTTTTGAATCTCGGAATGTTGGTCCCAAGATAGCTGTGA 1283
1563 GTTTCACATAGCCCAAGCTTTTGAATCTCGGAATGTTGGTCCCAAGATAGCTGTGA 1622
1284 CAGTTTACTTATCATCAGCCACGAGTTCAGTTTCCACTGACTATAGCAACCAAGAGAT 1343
1623 CAGTTTACTTATCATCAGCCACGAGTTCAGTTTCCACTGACTATAGCAACCAAGAGAT 1682
1344 GTCTAGCTGTCTACAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGTGTATGCC 1403
1683 GTCTAGCTGTCTACAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGTGTATGCC 1742
1404 ATTTCTCTCACTTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAAGAACTTC 1463
1743 ATTTCTCTCACTTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAAGAACTTC 1802
1464 CTAGTAATTTGTACAGATGGGAGTCTATGATGTCCAAGGCCCTCAGCTGTGCA 1523
1803 CTAGTAATTTGTACAGATGGGAGTCTATGATGTCCAAGGCCCTCAGCTGTGCA 1862
1524 CATGATGCGAGGAATCACTATCTTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1583
1863 CATGATGCGAGGAATCACTATCTTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1922
1584 AAAGATATGGCTTCTAAACGAGGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1643
1923 AAAGATATGGCTTCTAAACGAGGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1982
1644 TTAGAACCAATGTTTCTGATGTCTACAGAGGATTTGTAGAGATTTCTTAGAATCCAG 1703
1983 TTAGAACCAATGTTTCTGATGTCTACAGAGGATTTGTAGAGATTTCTTAGAATCCAG 2042
1704 CAATAATGTTAATTTTGAACAACTGAAAGAAAGTACAAGGGATCCAGTGTGTAAAT 1763
2043 CAATAATGTTAATTTTGAACAACTGAAAGAAAGTACAAGGGATCCAGTGTGTAAAT 2102
1764 TGTATTCTCATATACCTGAAATGCTTTAGCATACTAGATACAGATACAAACTATTAAAT 1823
2103 TGTATTCTCATATACCTGAAATGCTTTAGCATACTAGATACAGATACAAACTATTAAAT 2162
1824 ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
2163 ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2222
1884 TTATAGTGTACTTTGTTTAAAAACACATGCTGAGGCTTCAATATCATGCTTCTTAGAACT 1943

2223 TTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCTAATCATGCTTTAGAAACT 2282
1944 CAGGAAAGAGGAGATATGTGGATTAAAAACCTTTAAGAGTTCTTAACCATGCTTACTAAATG 2003
2283 CAGGAAAGAGGAGATATGTGGATTAAAAACCTTTAAGAGTTCTTAACCATGCTTACTAAATG 2342
2004 TACAGATATGCAATTTCCATAGCTCATATAAAAAGATCTGATCTAGACAAAAGCAACA 2063
2343 TACAGATATGCAATTTCCATAGCTCATATAAAAAGATCTGATCTAGACAAAAGAAAAA 2402

RESULT 6
US-10-192-007-45
; Sequence 45, Application US/10192007
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C281
; CURRENT APPLICATION NUMBER: US/10/192,007
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 45
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-192-007-45

Query Match 80.1%; Score 2028.8; DB 12; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCAGAGAGGTGTGAGCAGGCTTATCAGTCCAGGCTCGGAGCCTGATCCCGGCTCTC 83
DB 363 TCTCTCCAGGTGTGAGCAGGCTTATCAGTCCAGGCTCGGAGCCTGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTCTGCTGCGGGCCCGGGCAGCGAGCGAGCCCTCC 143
DB 423 GGCCTCGGTGTGTCTCTGCTGCGGGCCCGGGCAGCGAGCGAGCCCTCC 482
QY 144 ATTGCTATCATGTTTATCCAGAGGCTTGGACATCAGAAAGAGAAAGCAGATGTCCTC 203

483 ATTGCTATCACTGTTTTTAAACAGAGGCTTGGACATCAGAGAAAGAGAGACAGATGCTCT 542
204 TGCCAGGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGAACATAGTATATGCTTCT 263
543 TGCCAGGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGAACATAGTATATGCTTCT 602
264 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGGAGTAAATCAGCAACTCAGGGGACCT 323
603 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGGAGTAAATCAGCAACTCAGGGGACCT 662
324 GTACGAGTCTATAGCTTACCTGTGCGAGAAATCTATCTCAGTATGTCATGCGCATC 383
663 GTACGAGTCTATAGCTTACCTGTGCGAGAAATCTATCTCAGTATGTCATGCGCATC 722
384 CAGTCTCAATGCTTTCTAGATGCTGCTCTCTTTTACAGTAATCTAAAGGCAAAAGTAGT 443
723 CAGTCTCAATGCTTTCTAGATGCTGCTCTCTTTTACAGTAATCTAAAGGCAAAAGTAGT 782
444 ACAAGAGGCCACAGGACAGAGTGTCCAAGGACATCCACAGGTAACGACTA 503
783 ACAAGAGGCCACAGGACAGAGTGTCCAAGGACATCCACAGGTAACGACTA 842
504 AAGAAACACCCGAGAGAAATCGSCAATAAAGATGTAAAGCAGACATCTGCTTCTG 563
843 AAGAAACACCCGAGAGAAATCTGGCAATAAAGATGTAAAGCAGACATCTGCTTCTG 902
564 ATTGATGGAAGCTTTAATATTGGGCGAGCGCGGATTTAATTTACAGAAAGATTTTGTGGA 623
903 ATTGATGGAAGCTTTAATATTGGGCGAGCGCGGATTTAATTTACAGAAAGATTTTGTGGA 962
624 AAGTGGCTCTAATTTGGGAATTTGGAACAGAGGACCAATGCTGGGCGCTTTGTTCAAGCC 683
963 AAGTGGCTCTAATTTGGGAATTTGGAACAGAGGACCAATGCTGGGCGCTTTGTTCAAGCC 1022
684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATTTTACATCAGGCAAGATGTTTG 743
1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATTTTACATCAGGCAAGATGTTTG 1082
744 TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTTCCAAATCAGGAAAGCTTTGAAG 803
1083 TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTTCCAAATCAGGAAAGCTTTGAAG 1142
804 CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGTG 863
1143 CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGTG 1202
864 GTGGTGTATTTATGATGTTGGCTTCTGTATGATGATCAGAGGAGGAGTGTGGCC 923
1203 GTGGTGTATTTATGATGTTGGCTTCTGTATGATGATCAGAGGAGGAGTGTGGCC 1262
924 AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983
1263 AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 1322
984 GGGATGGTTCAGGATGTCAATTTGTTGAACAGGCTGTCTGTGCGAATAATGCTTCTTTC 1043
1323 GGGATGGTTCAGGATGTCAATTTGTTGAACAGGCTGTCTGTGCGAATAATGCTTCTTTC 1382
1044 TCTTACCATGATGCTGCTGTTGGACACACAAAATACGTAAGGCTCTGGTACAGAAG 1103
1383 TCTTACCATGATGCTGCTGTTGGACACACAAAATACGTAAGGCTCTGGTACAGAAG 1442
1104 CTGTGCACTCATGAACAAATGATGTGACAGACCTGTTTATTAATCTCAGTGAACATTTGCC 1163
1443 CTGTGCACTCATGAACAAATGATGTGACAGACCTGTTTATTAATCTCAGTGAACATTTGCC 1502
1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCGCTCATGCTTGAATTT 1223
1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCGCTCATGCTTGAATTT 1562
1224 GTTTCACATAGCAGACTTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA 1283
1563 GTTTCACATAGCAGACTTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA 1622

1284 CAGTTTACTTATGATCAGGCGACGAGTTTCAGTTTTCAGTCTATAGCAACCAAGAGAAT 1343
1623 CAGTTTACTTATGATCAGGCGACGAGTTTCAGTTTTCAGTCTATAGCAACCAAGAGAAT 1682
1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGTGGAAACAGTACTGTGTATGCC 1403
1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGTGGAAACAGTACTGTGTATGCC 1742
1404 ATTTCCCTTCACTGTGTAGAAATGTGTTGGCCCTATAGGGAGAGCCCAACAAAGAACTTC 1463
1743 ATTTCCCTTCACTGTGTAGAAATGTGTTGGCCCTATAGGGAGAGCCCAACAAAGAACTTC 1802
1464 CTAGTAATTTGTTCACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGTCAGCTGTGCA 1523
1803 CTAGTAATTTGTTCACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGTCAGCTGTGCA 1862
1524 CATGATGCGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG 1583
1863 CATGATGCGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG 1922
1584 AAGATATGCTTCTTAAACCGAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1643
1923 AAGATATGCTTCTTAAACCGAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1982
1644 TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
1983 TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
1704 CAATAATGTGTAACTTTTGAACCTGAAAGAAAGTCAAGGGGATCCAGTGTGTAAAT 1763
2043 CAATAATGTGTAACTTTTGAACCTGAAAGAAAGTCAAGGGGATCCAGTGTGTAAAT 2102
1764 TGTATTTCTCATATCTGAAATGCTTTTACCATCTAGATCTAGATCTAGATCAAAACTATTAAGT 1823
2103 TGTATTTCTCATATCTGAAATGCTTTTACCATCTAGATCTAGATCAAAACTATTAAGT 2162
1824 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
2163 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
1884 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCTAATCATGCTTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCTAATCATGCTTCTTAGAACT 2282
1944 CAGGAAGAGGAGATATGTTGGAATTAACCTTAAGAGTCTTAAACCTGCTTCTTAAATG 2003
2283 CAGGAAGAGGAGATATGTTGGAATTAACCTTAAGAGTCTTAAACCTGCTTCTTAAATG 2342
2004 TACAGATATGCAAAATTTCCATAGCTCAATAAAGAAATCTGATCTTATAGACCAAAAGCAACA 2063
2343 TACAGATATGCAAAATTTCCATAGCTCAATAAAGAAATCTGATCTTATAGACCAAAAGCAACA 2402

RESULT 7

US-10-554-45

; Sequence 45, Application US/10180554

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P343031C148

; CURRENT APPLICATION NUMBER: US/10/180,554

Db 2043 CAATAATGGTAAACATTTTGACAACTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTCTCATATACTGAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 1823
Db 2103 TGTATTCTCATATACTGAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTACAGTGACTTTGTATAAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 1943
Db 2223 TTTACAGTGACTTTGTATAAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 2282
Qy 1944 CAGGAAGAGAGATAATGCGATTAAACCTTTAAGGTTCTAACCATGCTCTACTAATG 2003
Db 2283 CAGGAAGAGAGATAATGCGATTAAACCTTTAAGGTTCTAACCATGCTCTACTAATG 2342
Qy 2004 TACAGATATCAAAATTCATAGCTCAATAAAAGAACTGTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATCAAAATTCATAGCTCAATAAAAGAACTGTGATCTTAGACCAAAAGCAACA 2402

RESULT 8

US-10-179-524-45
; Sequence 45: Application US/10179524
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C134
; CURRENT APPLICATION NUMBER: US/10/179,524
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 45
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-179-524-45

Query Match

80.18; Score 2028.8; DB 14; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGCGAGCCTGAGTCCGGGCTCTC 83
Db 363 TCTCTCCAGAGTGTGAGCAGCCTATCAGTCACCATGTCCGCGAGCCTGAGTCCGGGCTCTC 422
Qy 84 GGCCTCGGTGTGTCTGTCTGTCTGCGCGGGGCCCGCGGGCAGCGAGGAGCGCGTCCC 143
Db 423 GGCCTCGGTGTGTCTGTCTGTCTGCGCGGGGCCCGCGGGCAGCGAGGAGCGCGTCCC 482
Qy 144 ATTGCTATCAGATGTTTTTACAGAGGCTTTGAGCATCAGGAAAGAGAGAGAGATGCTTC 203
Db 483 ATTGCTATCAGATGTTTTTACAGAGGCTTTGAGCATCAGGAAAGAGAGAGAGATGCTTC 542
Qy 204 TGCCCAAGGGGCTGCCCTCTTCAGGAAATTTCTGTGTATGCGGAACTAGTATATGCTTCT 263
Db 543 TGCCCAAGGGGCTGCCCTCTTCAGGAAATTTCTGTGTATGCGGAACTAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCCTACCTGTGTCAGAAACTATTCTCTAGTAGATGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTACCTGTGTCAGAAACTATTCTCTAGTAGATGCAATGGCATC 722
Qy 384 CAGTCTCAATGCTTTCTAGATGGTCTGCTCTTTTCAAGTAATTAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAATGCTTTCTAGATGGTCTGCTCTTTTCAAGTAATTAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCGCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA 503
Db 783 ACACAGAGGCGCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAACTGCGCAATAAAGATTGTAAAGCAGACATTTGATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAACTGCGCAATAAAGATTGTAAAGCAGACATTTGATTTCTG 902
Qy 564 ATTGATGGAAGCTTTTAATTTGGGAGCGCCGATTTAAATTTACAGAGTAATTTGTTGA 623
Db 903 ATTGATGGAAGCTTTTAATTTGGGAGCGCCGATTTAAATTTACAGAGTAATTTGTTGA 962
Qy 624 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTTGGGCTTTGTTCAAGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTTGGGCTTTGTTCAAGCC 1022
Qy 684 AGTGAAACATCCCAAAATAGAAATTTTACTTGAATACTTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAAACATCCCAAAATAGAAATTTTACTTGAATACTTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTTGCCATAAAGAGTAGTGTTCAGAGGGGTAAATTCATACAGAGAAAGCTTTGAAG 803
Db 1083 TTTGCCATAAAGAGTAGTGTTCAGAGGGGTAAATTCATACAGAGAAAGCTTTGAAG 1142
Qy 804 CATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 863
Db 1143 CATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATTTGATGGTTGGCCTTCTGATGACATCGAGGAAGCAGCATTTGGGCC 923
Db 1203 GTGGTGGTATTTATTTGATGGTTGGCCTTCTGATGACATCGAGGAAGCAGCATTTGGGCC 1262
Qy 924 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 983
Db 1263 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAGAACTG 1322
Qy 984 GGGATGTTTCAGGATGTCATTTGTTGACAGGCTGTCTGTGCGAATAATGCTTCTTTC 1043
Db 1323 GGGATGTTTCAGGATGTCATTTGTTGACAGGCTGTCTGTGCGAATAATGCTTCTTTC 1382
Qy 1044 TCTTACCATGCGCCAACTGGTTTGGCACCAAAAATAGCTAAAGCTCTTGGTACAGAAG 1103

1383 TCCTACCATGCCCAACTGGTTGGCCACCAACAAATACGTAAAGCCTCTGGTACAGAAG 1442
1104 CTGTGCACTCATGAACAAATGATGTGACGACGACCTGTTATTAACCTCAGTGAACATTGCC 1163
1443 CTGTGCACTCATGAACAAATGATGTGACGACGACCTGTTATTAACCTCAGTGAACATTGCC 1502
1164 TTTCTAATGTAGTGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCGCTCATGCTTGAATTT 1223
1503 TTTCTAATGTAGTGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCGCTCATGCTTGAATTT 1562
1224 GTTTCACCATAGCAAGAATTTTGAATCTCGACATTCGGTCCCAAGATAGCTGCTGTA 1283
1563 GTTTCACCATAGCAAGAATTTTGAATCTCGACATTCGGTCCCAAGATAGCTGCTGTA 1622
1284 CAGTTTACTTATGATCAGCCGACGGAGTTCAGTTTCACTGACTATAGCACCACCAAGAGAT 1343
1623 CAGTTTACTTATGATCAGCCGACGGAGTTCAGTTTCACTGACTATAGCACCACCAAGAGAT 1682
1344 GTCTAGTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1403
1683 GTCTAGTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1742
1404 ATTTCTTCTCATGTTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC 1463
1743 ATTTCTTCTCATGTTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC 1802
1464 CTAGTAATCTCAGATGGGAGTCTATGATGATGTCCAAAGCCCTGCGAGTCTGCTGCA 1523
1803 CTAGTAATCTCAGATGGGAGTCTATGATGATGTCCAAAGCCCTGCGAGTCTGCTGCA 1862
1524 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTTGGGCACCTCTGGAATGACCTG 1583
1863 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTTGGGCACCTCTGGAATGACCTG 1922
1584 AAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGA 1643
1923 AAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGA 1982
1644 TTAGAACCATTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCA 1703
1983 TTAGAACCATTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCA 2042
1704 CAATAATGGTAACTTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 1763
2043 CAATAATGGTAACTTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 2102
1764 TGTATTTCTATATCTGAAATGCTTTAGCATCTAGAAATCAGATACAAATCTATTAAAT 1823
2103 TGTATTTCTATATCTGAAATGCTTTAGCATCTAGAAATCAGATACAAATCTATTAAAT 2162
1824 ATGTCAACAGCCATTAGGCAATAAGCACTCTTTTAAAGCCGCTGCTCTGTTTACAA 1883
2163 ATGTCAACAGCCATTAGGCAATAAGCACTCTTTTAAAGCCGCTGCTCTGTTTACAA 2222
1884 TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
1944 CAGGAAGAGGAGATTAATGTGGTTAAACCTTTAAGAGTTCACCATGCTCTACTAAATG 2003
2283 CAGGAAGAGGAGATTAATGTGGTTAAACCTTTAAGAGTTCACCATGCTCTACTAAATG 2342
2004 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTAGACCAAAAGCAACA 2063
2343 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTAGACCAAAAGCAACA 2402

RESULT 9

US-10-940-774A-12323
; Sequence 12323, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12323
; LENGTH: 20059
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-12323

Query Match 39.6%; Score 1004.4; DB 14; Length 20059;
Best Local Similarity 99.9%; Pred. No. 2.2e-242;
Matches 1005; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1529 TGCAGGAATCACTATCTCTCTGTTGGTGGCTTTGGGCACCTCTGGATGACCTGAAGA 1588
DB 17054 TGTAGGAATCACTATCTCTCTGTTGGTGGCTTTGGGCACCTCTGGATGACCTGAAGA 17113
QY 1589 TATGGCTTTAAACCGAAGAGTCTCATGCTTTTCTCAAGAGAGTTTCAAGAGATTAGA 1648
DB 17114 TATGGCTTTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGAGATTAGA 17173
QY 1649 ACCAATTTGTTCTGATGTCTCATGAGGCAATTTGTAGAGATTTCTTAGAATCCCAACA 1708
DB 17174 ACCAATTTGTTCTGATGTCTCATGAGGCAATTTGTAGAGATTTCTTAGAATCCCAACA 17233
QY 1709 ATGTGTAACATTTTGAACAACCTGAAGGAGATTAAGGAGATCCAGTGTGTAATTTGTAT 1768
DB 17234 ATGTGTAACATTTTGAACAACCTGAAGGAGATTAAGGAGATCCAGTGTGTAATTTGTAT 17293
QY 1769 TCTCATATATCTGAAATGCTTTAGCATCTAGTAATCAGATACAAACCTATTAAAGTATGTC 1828
DB 17294 TCTCATATATCTGAAATGCTTTAGCATCTAGTAATCAGATACAAACCTATTAAAGTATGTC 17353
QY 1829 AACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAAATTTAC 1888
DB 17354 AACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAAATTTAC 17413
QY 1889 AGTGTACTTTGTTAAAAACATCTGTGAGGCTTCATAATCATGGCTCTTTAGAAACTCAGA 1948
DB 17414 AGTGTACTTTGTTAAAAACATCTGTGAGGCTTCATAATCATGGCTCTTTAGAAACTCAGA 17473
QY 1949 AAGAGGAGATTAATGTGGATTAAGACCTTAAGGTTCTTAACCATGCTCTAATATGTACAG 2008
DB 17474 AAGAGGAGATTAATGTGGATTAAGACCTTAAGGTTCTTAACCATGCTCTAATATGTACAG 17533
QY 2009 ATATGCAAAATCCATAGCTCAATAAAGAAATCTGTACTCTAGACCAAAAGCAACATTCGT 2068
DB 17534 ATATGCAAAATCCATAGCTCAATAAAGAAATCTGTACTCTAGACCAAAAGCAACATTCGT 17593
QY 2069 TCTCTAAACATTTCTGTATTGATTTATTAAGCAAAATGAAAAAGAGAACTTTAAATGAACAC 2128
DB 17594 TCTCTAAACATTTCTGTATTGATTTATTAAGCAAAATGAAAAAGAGAACTTTAAATGAACAC 17653
QY 2129 AGCTCTTTAAACATGTTCCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTTAAAC 2188
DB 17654 AGCTCTTTAAACATGTTCCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTTAAAC 17713
QY 2189 AATCAATAATAGCTAGCTATTACTGCAGACTATATAAATCTGGATATAGAAAGGAGACCTG 2248
DB 17714 AATCAATAATAGCTAGCTATTACTGCAGACTATATAAATCTGGATATAGAAAGGAGACCTG 17773
QY 2249 TATCAAACTGCTTTTGTAGTGTGTTTTCATTAACAACTTATGACTTAAATAATATCACACTGA 2308
DB 17774 TATCAAACTGCTTTTGTAGTGTGTTTTCATTAACAACTTATGACTTAAATAATATCACACTGA 17833


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QY 1589 TATGGCTCTTAAACCGAAGAGTCTCATGCTTCTTCAAGAGAGTTTCACAGATTAGA 1648
Db 17138 TATGGCTCTTAAACCGAAGAGTCTCATGCTTCTTCAAGAGAGTTTCACAGATTAGA 17197
QY 1649 ACCAATTTGTTCTGATGTCATCAGAGCAATTTGTAGAGATTTCTTGAATCCACAGCAATA 1708
Db 17198 ACCAATTTGTTCTGATGTCATCAGAGCAATTTGTAGAGATTTCTTGAATCCACAGCAATA 17257
QY 1709 ATGGTAACATTTTGACAACCTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAATTTGTAT 1768
Db 17258 ATGGTAACATTTTGACAACCTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAATTTGTAT 17317
QY 1769 TCTCATTAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGTATGTC 1828
Db 17318 TCTCATTAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGTATGTC 17377
QY 1829 AACAGCCATTTAGGCAATAAGCACTCCTTTAAAGCGCTCTCTGGTTTCAAAATTTAC 1888
Db 17378 AACAGCCATTTAGGCAATAAGCACTCCTTTAAAGCGCTCTCTGGTTTCAAAATTTAC 17437
QY 1889 AGTGTACTTTGTTAAAAACAACCTGCTGAGGCTTCATAATCATGGCTCTTAGAAAACCTCAGGA 1948
Db 17438 AGTGTACTTTGTTAAAAACAACCTGCTGAGGCTTCATAATCATGGCTCTTAGAAAACCTCAGGA 17497
QY 1949 AAGGAGAGATAATCTGGATTAAACCTTAAGAGTCTTAACCATGCCCTACTAAATGTACAG 2008
Db 17498 AAGGAGAGATAATCTGGATTAAACCTTAAGAGTCTTAACCATGCCCTACTAAATGTACAG 17557
QY 2009 ATATGCAAAATTCATAGCTCAATAAAAGAACTCTGATACTTAGACCAAAAGCAACATTCGT 2068
Db 17558 ATATGCAAAATTCATAGCTCAATAAAAGAACTCTGATACTTAGACCAAAAGCAACATTCGT 17617
QY 2069 TCTCTAACCAATCTGTATTGATTATTAAGCAAAATGAAAGAGAACTTTAAATGAACAC 2128
Db 17618 TCTCTAACCAATCTGTATTGATTATTAAGCAAAATGAAAGAGAACTTTAAATGAACAC 17677
QY 2129 AGCTCTTTAACTGTTTCAGGTACACATATTTTGACCCAGTGATATTTCTTAAACC 2188
Db 17678 AGCTCTTTAACTGTTTCAGGTACACATATTTTGACCCAGTGATATTTCTTAAACC 17737
QY 2189 AATCAATAATAGCTAGCTATTACTGACAGACTATAAAATCTGGATATAGAAAGAGACCTG 2248
Db 17738 AATCAATAATAGCTAGCTATTACTGACAGACTATAAAATCTGGATATAGAAAGAGACCTG 17797
QY 2249 TATCAAACTGCTTTGTAGTGTGTTTCAACAACCTTATGACTTAAATAATATCACACTGA 2308
Db 17798 TATCAAACTGCTTTGTAGTGTGTTTCAACAACCTTATGACTTAAATAATATCACACTGA 17857
QY 2309 ATAAGAGAGCAGGATTTGCCAGGTATTTTCTATTTCTCTCCTTAATTTTATATATATA 2368
Db 17858 ATAAGAGAGCAGGATTTGCCAGGTATTTTCTATTTCTCTCCTTAATTTTATATATATA 17917
QY 2369 GATATATTTGGCTTATATTTCTAAGTCACTAAGTACTTAAAGTTAAGTTGGTAAAGTAT 2428
Db 17918 GATATATTTGGCTTATATTTCTAAGTCACTAAGTACTTAAAGTTAAGTTGGTAAAGTAT 17977
QY 2429 TTAAGTCTGCTTTATATAACATTTTAAAGACAAGACATTTCAATAATCTGACAGAAAAATA 2488
Db 17978 TTAAGTCTGCTTTATATAACATTTTAAAGACAAGACATTTCAATAATCTGACAGAAAAATA 18037
QY 2489 TTCTAGTTTGAATTTTAAAGCAATAAACTGCTAGTGAGTTATTTGT 2534
Db 18038 TTCTAGTTTGAATTTTAAAGCAATAAACTGCTAGTGAGTTATTTGT 18083
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RESULT 12

US-60-680-544-14967

; Sequence 14967, Application US/60680544

; GENERAL INFORMATION:

; APPLICANT: Cooper, Matthew

; APPLICANT: Kinch, Deborah

; APPLICANT: Rosenberg, Michael

```
; APPLICANT: Subramaniam, S. Sai
; APPLICANT: Szak, Suzanne
; APPLICANT: Li, Huo
; APPLICANT: Bandaru, Raj
; APPLICANT: Derbel, Maher
; TITLE OF INVENTION: Nucleotide Array Containing Polynucleotide Probes Complementary
; TITLE OF INVENTION: Fragments of, Cynomolgus Monkey Genes and the Use Thereof
; FILE REFERENCE: 21590290000
; CURRENT APPLICATION NUMBER: US/60/680,544
; CURRENT FILING DATE: 2005-05-13
; NUMBER OF SEQ ID NOS: 48714
; SOFTWARE: Patent Sequence Analysis Tool Version 1.0
; SEQ ID NO 14967
; LENGTH: 1402
; TYPE: DNA
; ORGANISM: Macaca Fascicularis
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1402)
; OTHER INFORMATION: n = A,T,C or G
US-60-680-544-14967
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Query Match 34.9%; Score 883.2; DB 25; Length 1402;

Best Local Similarity 68.7%; Pred No. 3.3e-212;

Matches 967; Conservative 0; Mismatches 426; Indels 14; Gaps 5;

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QY 1095 GTACAGAAGCTGTGCATCATCAACAAATGATGTGCAGCAAGACCTGTTTATAACTCAGTG 1154
Db 1 GTACAGAAGCTGTGCATCATCAACAAATGATGTGCAGCAACNNNNNTTATAACTCAGTG 60
QY 1155 ACATTTGCTTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATG 1214
Db 61 AACATTTGCTTTCTAATTGANGGGCTCCAGCAGTGTGGAGATANNNNNNNNNNNN 120
QY 1215 CTTGAATTTGTTTCCAAACATAGCAGCAACTTTTGAATCTCGGACATTTGGTGCCAGATA 1274
Db 121 NNTGATTTGTTTCCAAACATAGCAGCAACTTTGAAATCTCGGACATTTGGTGCCAGATA 180
QY 1275 GCTGCTGTACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGATATAGCAC 1334
Db 181 GCTGCTGTACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGATATAGCAC 240
QY 1335 AAAGAGAATGCTCTAGTGTCAATCAGAAACATCCGCTATATGAGTGTGGACACTACT 1394
Db 241 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 300
QY 1395 GGTGATGCCATTTCTCTTCACTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAAC 1454
Db 301 GGTGATGCCATTTCTCTTACTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAAC 360
QY 1455 AAGAACTCTCTAGTAAATTTGTCAAGTGGCAGTCTCTATGATGATGTCCAAGGCCCTGCA 1514
Db 361 AAGAACTCTCTAGTAAATTTGTCAAGTGGCAGTCTCTATGATGATGTCCAAGGCCCTGCA 420
QY 1515 GCTGCTGCACATGATGAGGAACTCACTATCTTCTGTTGGTGGCTTGGGCACTCTG 1574
Db 421 GNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 480
QY 1575 GATGACCTGAAAGATATGGCTTTCTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAG 1634
Db 481 NNNNNNNNNNNNNATATGCTTCTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 540
QY 1635 TTCACAGGATTTAGAACCAATTTGTTCTGATGTCTCATCAGAGGCAATTTGTAGATTTCTTA 1694
Db 541 TTCACAGGATTTAGAACCGAATTTGTTCTGATGTCTCATCAGAGGCAATTTGTAGATTTCTTA 600
QY 1695 GAATCCAGCAATAATGTTAAATTTTGACAACTGAAAGAAAAAGTACAAGGGGATCCAG 1754
Db 601 GAATCCAGCAATAATGTTAACTA- TTTCACAACTGAAAGAAAAAGTACAAGGGGATCCAG 659
QY 1755 TGTGTAATTTGTATTTCTCATATAACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAA 1814
Db 660 TGTATAAATTTGTATTTCTCATATAACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAA 719
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QY 2050 GACCAAGCAACATTCGTTCTCTAACCATTCGTATTGATTATATATAAGCAAAATGAAAA 2109
Db 958 NACCAAGCAACATTCGTTCTCTAACCATTCGTTATTGANNNNNNNNNNNNNNNNNN 1017
QY 2110 GAGAACTTAAATGAACACAGCTCTTTAAACATGGTTACAGTACACATATTTTGACCAAG 2169
Db 1018 NNN 1077
QY 2170 TGGATATTTTCTTAAACCAATCAAT-AATAGCTAGCTATTAAGCTGAGACTATAAAATCT 2228
Db 1078 NNN 1137
QY 2229 GGTATAGAAGAGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAACAATTAT 2288
Db 1138 GGGTATAGAAGAGAGCTCTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 1197
QY 2289 GACTAAATATCACTAGTAAGAGAGAGAGGATTCAGGATTTTCTATTCTCTC 2348
Db 1198 GACTAAATATCACTAGTAAGAGAGAGAGGATTCAGGATTTTCTATTCTCTC 1257
QY 2349 CTTAAATTTATATATATATATATATTTGGCTTATATTTCTAAGTCACCTAAGTACTTAA 2408
Db 1258 CTTAAATTTATATATATATATATTTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 1317
QY 2409 AAGTTAAGTTGATAAGTATTTACTGACTCTTATAAACAATTTAAAGACAAAGACATTTC 2468
Db 1318 -----AAGTTGGTAAAGTATTTACTGACTCTTATAAACAATTTAAANNNNNNNNNAGTAA 1372
QY 2469 AATAAAGTGCAGAAAAATATTTAGT 2495
Db 1373 CTCAGGAAAAATATGTAATGGAAT 1399

RESULT 14

US-10-940-774A-29309
; Sequence 29309, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29309
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-29309

Query Match 15.7%; Score 396.6; DB 14; Length 601;
Best Local Similarity 99.7%; Pred. No. 2.5e-89;
Matches 396; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1015 AGGCTGCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGCACC 1074
Db 205 AGGCTGCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGCACC 264
QY 1075 CAAATACGTAAGCCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGTGCAGCA 1134
Db 265 CAAATACGTAAGCCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGTGCAGCA 324
QY 1135 AGACCTGTTATAAATCACTGAGTAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 1194
Db 325 AGACCTGTTATAAATCACTGAGTAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 384

QY 1195 ATAGCAATTTCCGCTCATGCTTGAAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 1254
Db 385 ATAGCAATTTCCGCTCATGCTTGAAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 444
QY 1255 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTGTCTTACTTATCATGCGCAGGAGTTCA 1314
Db 445 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTGTCTTACTTATCATGCGCAGGAGTTCA 504
QY 1315 GTTTCACCTGACTATAGCACCAAGAGAGATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 1374
Db 505 GTTTCACCTGACTATAGCACCAAGAGAGATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 564
QY 1375 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 1411
Db 565 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 601

RESULT 15

US-10-940-774A-84641
; Sequence 84641, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 84641
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-84641

Query Match 15.7%; Score 396.6; DB 14; Length 601;
Best Local Similarity 99.7%; Pred. No. 2.5e-89;
Matches 396; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1015 AGGCTGCTGTCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGCACC 1074
Db 205 AGGCTGCTGTCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGCACC 264
QY 1075 CAAATACGTAAGCCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGTGCAGCA 1134
Db 265 CAAATACGTAAGCCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGTGCAGCA 324
QY 1135 AGACCTGTTATAAATCACTGAGTAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 1194
Db 325 AGACCTGTTATAAATCACTGAGTAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 384
QY 1195 ATAGCAATTTCCGCTCATGCTTGAAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 1254
Db 385 ATAGCAATTTCCGCTCATGCTTGAAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 444
QY 1255 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTGTCTTACTTATCATGCGCAGGAGTTCA 1314
Db 445 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTGTCTTACTTATCATGCGCAGGAGTTCA 504
QY 1315 GTTTCACCTGACTATAGCACCAAGAGAGATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 1374
Db 505 GTTTCACCTGACTATAGCACCAAGAGAGATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 564
QY 1375 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 1411
Db 565 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 601

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Job time : 2331 secs

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